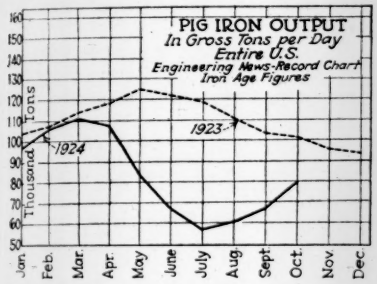
# CONSTRUCTION NEWS

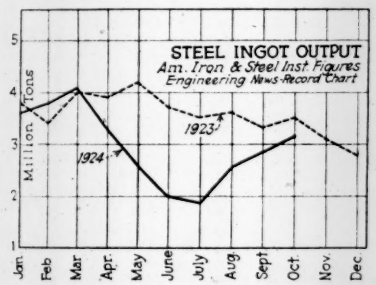
*Engineering News-Record, November 27, 1924*

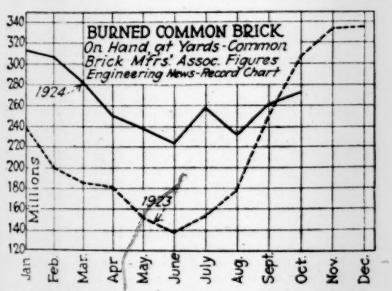
## *The Construction Barometer*

### *Materials Demand Heavier Than Year Ago—Production Slower—Possible Scarcity By Spring With Prices Higher*

PRODUCTION of most of the basic materials is considerably below a year ago. Cement, however, offers the most notable exception to the general trend. The cement output has been well above 1923 since the first of the current year as shown by the chart. The construction total for 1924 will probably show a gain of 7 per cent over last year. The upward trend in construction demand is still in force, indicating active winter and spring building programs. With demand heavier than a year ago, production slower and about the same number of building laborers available as in 1923, the outlook is one of possible shortage of materials and consequently higher prices.





STEEL INGOT OUTPUT
Am. Iron & Steel Inst. Figures
Engineering News-Record Chart
Million Tons
1924
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.




### *Engineering News-Record Statistics*

Minimum on waterworks and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

**VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES**

| Week Ended | Public Work | Private Work | Total Contracts |
|---|---|---|---|
| Nov. 6 | $12,958,000 | $21,012,000 | $33,970,000 |
| Nov. 13 | 22,248,000 | 13,091,000 | 35,339,000 |
| Nov. 20 | 10,212,000 | 25,429,000 | 35,641,000 |
| 3 weeks | $45,418,000 | $59,532,000 | $104,950,000 |

**LARGE BUILDING CONTRACTS—NUMBER AND VALUE**

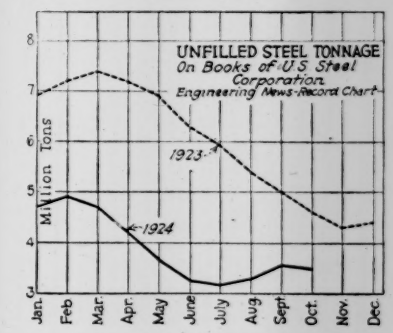
| Week Ended | Commercial—Public No. | Commercial—Public Thousand | Commercial—Private No. | Commercial—Private Thousand | Industrial No. | Industrial Thousand |
|---|---|---|---|---|---|---|
| Nov. 6 | 8 | $1,786 | 36 | $16,117 | 13 | $1,420 |
| Nov. 13 | 5 | 977 | 35 | 9,911 | 26 | 3,080 |
| Nov. 20 | 11 | 2,443 | 38 | 12,613 | 29 | 3,686 |
| 3 weeks | 24 | $5,206 | 109 | $38,641 | 68 | $8,186 |

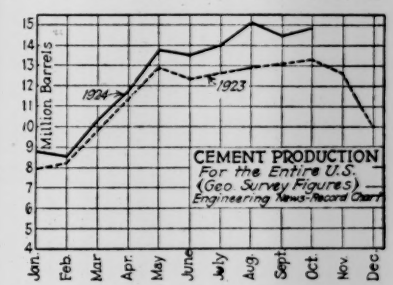
**NUMBER OF LARGE JOBS NOW OUT FOR BIDS**

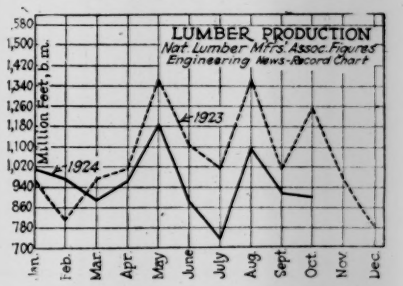
| Week Ended | Private | Commercial Buildings | Streets and Roads | Waterworks and Sewers | All Public |
|---|---|---|---|---|---|
| Nov. 6 | 25 | 57 | 36 | 35 | 166 |
| Nov. 13 | 19 | 34 | 43 | 31 | 146 |
| Nov. 20 | 18 | 35 | 42 | 20 | 144 |

**STEEL FIRMER—TREND IN OTHER MATERIALS UPWARD**

| | Quoted on Nov. 27 at | Last Price Change Was | On |
|---|---|---|---|
| Structurals, Pittsburgh, 100 lb. | $1.80 @ 2.10 | $1.80 @ 2.00 | Nov. 13 |
| Cement, Chi., net bbl. | 2.20 | 2.10 | Jan. 24 |
| Pine, N. Y., M. ft. | 55.00 | 56.00 | Oct. 2 |
| Fir, San Fran., M. ft. | 29.00 | 31.00 | Oct. 30 |
| Common labor, hr. | .56 | .55 | Apr. 2 |


UNFILLED STEEL TONNAGE
On Books of U.S. Steel Corporation
Engineering News-Record Chart
Million Tons
1923
1924
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.




# PROPOSALS

**For proposals Advertised see the pages immediately following the "Construction News" Section.**

### WATERWORKS

| Bids Close | | See Eng. News-Record |
|---|---|---|
| Nov. 29 | Newport, Ky. | Nov. 27 |
| Nov. 29 | Cleveland, O. | Nov. 27 |
| Dec. 1 | New York, N. Y. | Nov. 27 |
| Dec. 3 | Brooklyn, N. Y. | Nov. 27 |
| Dec. 3 | Providence, R. I. | Nov. 13 |
| Dec. 3 | Puyallup, Wash. | Nov. 20 |
| Dec. 4 | Cleveland, O. | Nov. 20 |
| Dec. 4 | Fond du Lac, Wis. | Nov. 27 |
| Dec. 5 | Jackson, Mich. | Nov. 27 |
| Dec. 5 | Jonesboro, Ill. | Nov. 27 |
| Dec. 8 | Highlands, N. Y. | Nov. 20 |
| | Adv. Nov. 20 and 27. | |
| Dec. 17 | Oak Park, Ill. | Nov. 27 |
| | Adv. Nov. 27. | |
| Dec. 24 | Lyndon, Kan. | Nov. 27 |
| Jan. 5 | Springfield, Ill. | Nov. 27 |

### SEWERS

| | | |
|---|---|---|
| Nov. 28 | Trenton, N. J. | Nov. 13 |
| Nov. 28 | New Rochelle, N. Y. | Nov. 13 |
| Nov. 28 | Boston, Mass. | Nov. 27 |
| Nov. 29 | Cleveland, O. | Nov. 27 |
| Dec. 3 | Brooklyn, N. Y. | Nov. 27 |
| Dec. 3 | Maryland | Nov. 27 |
| Dec. 4 | Syracuse, N. Y. | Nov. 20 |
| | Adv. Nov. 20 and 27. | |
| Dec. 6 | North Plainfield, N. J. | Nov. 27 |
| | Adv. Nov. 27. | |
| Dec. 8 | Deerfield, Ill. | Nov. 27 |
| | Adv. Nov. 27. | |
| Dec. 9 | New Orleans, La. | Oct. 16 |
| | Adv. Nov. 16 to 27. | |
| Dec. 15 | Pittsfield, Ill. | Nov. 13 |
| Dec. 18 | New Braunfels, Tex. | Nov. 27 |
| | Adv. Nov. 27. | |
| Jan. 7 | Canton, O. | Nov. 20 |

### WASTE DISPOSAL

| | | |
|---|---|---|
| Dec. 9 | Minneapolis, Minn. | Nov. 13 |

### BRIDGES

| | | |
|---|---|---|
| Dec. 1 | Lansing, Mich. | Nov. 20 |
| Dec. 1 | Oklahoma | Nov. 27 |
| Dec. 2 | Wyoming | Nov. 27 |
| Dec. 3 | Baltimore, Md. | Nov. 20 |
| Dec. 5 | Huntsville, Tex. | Nov. 27 |
| Dec. 8 | California | Nov. 20 |
| Dec. 15 | Jamestown, N. Y. | Nov. 27 |
| | Adv. Nov. 27. | |
| Dec. 15 | New Orleans, La. | Oct. 30 |
| | Adv. Oct. 30 to Nov. 27. | |
| Dec. 15 | Louisiana | Nov. 13 |
| | Adv. Nov. 13 to 27. | |

| Bids Close | | See Eng. News-Record |
|---|---|---|
| Dec. 15 | Kansas | Nov. 20 |
| Dec. 17 | Pennsylvania Adv. Nov. 27. | Nov. 27 |

## EXCAVATION, DRAINAGE IRRIGATION, LEVEES

| | | |
|---|---|---|
| Dec. 1 | St. Catherines, Ont. | Oct. 30 |
| Dec. 4 | Harmon-on-Hudson, N. Y. Adv. Nov. 13 to 27. | Nov. 20 |
| Dec. 8 | Oakdale, Calif. | Nov. 27 |
| Dec. 9 | Moore Haven, Fla. | Nov. 13 |

## STREETS AND ROADS

| | | |
|---|---|---|
| Nov. 28 | Long Island City, N. Y. | Nov. 20 |
| Nov. 29 | Lewiston, Ill. | Nov. 27 |
| Dec. 1 | Delaware | Nov. 13 |
| Dec. 1 | New Jersey | Nov. 13 |
| Dec. 2 | Glendive, Neb. | Nov. 20 |
| Dec. 2 | Michigan | Nov. 27 |
| Dec. 3 | Pearsall, Tex. | Nov. 13 |
| Dec. 3 | Vienna, Ga. | Nov. 20 |
| Dec. 3 | El Paso, Tex. | Nov. 20 |
| Dec. 3 | Brooklyn, N. Y. | Nov. 27 |
| Dec. 3 | Connecticut Adv. Nov. 27. | Nov. 27 |
| Dec. 5 | Phillipsburg, Kan. | Nov. 13 |
| Dec. 5 | Alice, Tex. | Nov. 20 |
| Dec. 8 | California | Nov. 20 |
| Dec. 8 | Daly City, Calif. | Nov. 27 |
| Dec. 8 | Greenville, Tex. | Nov. 27 |
| Dec. 8 | Pasco, Wash. | Nov. 27 |
| Dec. 9 | Indiana | Nov. 27 |
| Dec. 9 | Washington, Kan. | Nov. 13 |
| Dec. 9 | Palestine, Tex. | Nov. 20 |
| Dec. 9 | St. Louis, Mo. | Nov. 20 |
| Dec. 9 | Kelso, Wash. | Nov. 27 |
| Dec. 10 | Garnet, Kan. | Nov. 20 |
| Dec. 10 | San Benito, Tex. | Nov. 20 |
| Dec. 11 | Louisiana | Nov. 20 |
| Dec. 11 | Ft. Scott, Kan. | Nov. 20 |
| Dec. 12 | Vernon, Tex. | Nov. 20 |
| Dec. 13 | Lyndon, Kan. | Nov. 20 |
| Dec. 15 | Emporia, Kan. | Nov. 20 |
| Dec. 16 | Louisiana | Nov. 20 |
| Dec. 17 | Illinois | Nov. 6 |
| Dec. 17 | Alabama | Nov. 20 |
| Dec. 17 | Hiawatha, Kan. | Nov. 27 |
| Dec. 17 | Alabama | Nov. 27 |
| Dec. 19 | Winfield, Kan. | Nov. 27 |
| Dec. 23 | St. Louis, Mo. | Nov. 27 |

## BUILDINGS—INDUSTRIAL

| | | |
|---|---|---|
| Dec. 1 | Columbus, O. | Nov. 27 |

## BUILDINGS—COMMERCIAL

| | | |
|---|---|---|
| Nov. 30 | Utica, N. Y. | Nov. 20 |
| Dec. 1 | Newton, Kan. | Nov. 27 |
| Dec. 1 | McAllen, Tex. | Nov. 6 |
| Dec. 1 | Raleigh, N. C. | Nov. 6 |
| Dec. 1 | Raleigh, N. C. | Nov. 13 |
| Dec. 2 | Wilkes Barre, Pa. | Nov. 6 |
| Dec. 2 | St. Louis, Mo. | Nov. 13 |
| Dec. 2 | Lowell, Mass. | Nov. 27 |
| Dec. 3 | Cedar Rapids, Ia. | Nov. 27 |
| Dec. 3 | Baltimore, Md. | Nov. 27 |
| Dec. 3 | Salem, Mass. | Nov. 27 |
| Dec. 4 | Kansas City, Mo. | Nov. 27 |
| Dec. 4 | Sandwich, Ont. | Nov. 27 |
| Dec. 4 | Thiells, N. Y. Adv. Nov. 20 and 27. | Nov. 20 |
| Dec. 5 | Dorchester (Boston P. O.), Mass. | Nov. 27 |
| Dec. 5 | Dearborn, Mich. | Nov. 27 |
| Dec. 9 | Wash., D. C. | Nov. 20 |
| Dec. 10 | Muskegon, Mich. | Nov. 27 |
| Dec. 10 | Alexandria, La. | Nov. 20 |
| Dec. 10 | San Francisco, Calif. | Nov. 27 |
| Dec. 10 | Muskegon, Mich. | Nov. 27 |
| Dec. 11 | Napiersville, Ill. | Nov. 27 |
| Dec. 11 | Roselle, N. J. | Nov. 20 |
| Dec. 15 | Waterbury, Conn. | Nov. 20 |
| Dec. 22 | Johnstown, Pa. | Nov. 27 |
| Jan. 1 | Johnstown, Pa. | Nov. 20 |
| Jan. 25 | Birmingham, Ala. | Nov. 20 |

## FEDERAL GOVERNMENT WORK

| | | |
|---|---|---|
| Dec. 2 | Driveway—St. Petersburg, Fla. | Nov. 13 |
| Dec. 3 | Sewerage System Improvements—Great Lakes, Ill. | Oct. 30 |
| Dec. 3 | Post Office — Kalamazoo, Mich. | Nov. 13 |
| Dec. 3 | Elevator—Kalamazoo, Mich. | Nov. 13 |
| Dec. 5 | Dredging — Providence, R. I. Adv. Nov. 6 to 27. | Nov. 6 |
| Dec. 5 | Home, etc.—Laurel, Md. | Nov. 27 |
| Dec. 8 | Changes—Omaha, Neb. | Nov. 13 |
| Dec. 9 | Buildings — San Fernando, Calif. | Oct. 30 |
| Dec. 9 | Breakwater—Milwaukee, Wis. Adv. Nov. 6 to 27. | Nov. 6 |
| Dec. 9 | Dredging — Wilmington, Del. | Nov. 20 |
| Dec. 12 | Dredging—Providence, R. I. Adv. Nov. 13 to 27. | Nov. 13 |
| Dec. 15 | Dredging — New York, N. Y. | Nov. 20 |
| Dec. 15 | Pump, etc.—Norfolk, Va. Adv. Nov. 20 and 27. | Nov. 20 |
| Dec. 15 | Storehouse—Phila., Pa. | Nov. 20 |
| Dec. 16 | Addition—Phila., Pa. | Nov. 20 |
| Dec. 17 | Dredging—Galveston, Tex. Adv. Nov. 20 and 27. | Nov. 20 |
| Dec. 20 | Foundation—American Falls, Idaho | Nov. 20 |
| Dec. 22 | Dam—Pittsburgh, Pa. Adv. Nov. 27. | Nov. 27 |
| Dec. 23 | Store House—Pearl Harbor, H. T. | Oct. 30 |
| Dec. 27 | Road—Arizona | Nov. 27 |

## UNCLASSIFIED

| | | |
|---|---|---|
| Dec. 1 | Steam Heating Apparatus — Brooklyn, N. Y. | Nov. 27 |
| Dec. 1 | Steam Heating Apparatus — New York, N. Y. | Nov. 27 |
| Dec. 2 | Waterproofing Tunnel—Trenton, N. J. | Nov. 27 |
| Dec. 4 | Pier, etc.—San Francisco, Calif. | Nov. 27 |
| Dec. 4 | Grain Elevator—Houston, Tex. | Nov. 13 |
| Dec. 10 | Grain Elevator—Halifax, N. S. | Nov. 20 |

## MATERIAL AND EQUIPMENT

| | | |
|---|---|---|
| Dec. 2 | Gravel—Baton Rouge, La. | Nov. 20 |
| Dec. 2 | Street Grader — Clinton, Ia. | Nov. 27 |
| Dec. 2 | Roller—Trenton, N. J. | Nov. 27 |
| Dec. 3 | Oil Burning Equipment — Fulton, N. Y. | Nov. 13 |
| Dec. 9 | Asphaltic Cement—New Orleans, La. | Nov. 20 |
| Dec. 10 | Cement—Tracy, Calif. | Nov. 27 |
| Dec. 20 | Switchgear, etc.—Melbourne, Victoria, Australia Adv. Nov. 13 to 27. | Nov. 20 |
| Jan. 15 | Apparatus—Melbourne, Victoria, Australia Adv. Nov. 13 to 27. | Nov. 20 |
| Jan. 19 | Transformers and Spares—Melbourne, Victoria, Australia Adv. Nov. 20 and 27. | Nov. 20 |
| Jan. 20 | Road Roller, etc.—Toronto, Ont. | Nov. 27 |

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

# Waterworks

### PROPOSED WORK

**N. J., Asbury Park**—City Comn. plans extending water distributing system. $18,000. R. Bartley, Jr., Asbury Park; engrs.

**Ia., Diagonal**—Voted $34,000 bonds for waterworks system. L. Williams, city clk. Noted Dec. 23.

**Ark., Cotton Plant**—Having plans and surveys prepared waterworks and sewers. $125,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

**Tex., Boerne**—See "Sewers."

**Tex., Coleman** — Voted $105,000 bonds waterworks improvements, incl. additional mains, larger pumping capacity and larger power house, etc. E. P. Scarbrough, mayor. Noted Nov. 6.

**Tex., Paducah** — Voted $125,000 bonds complete waterworks. J. W. Carroll, mayor. Noted Nov. 6.

**Okla., Idabel** — Defeated $45,000 bonds for waterworks and distribution system. Will resubmit at early date. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 23.

**Wash., Bryn Mawr**—Election recently, Miller Eng. Co., Burke Bldg., Seattle, engrs., for plans of water supply system here, were approved. $25,000.

**Calif., San Jose**—Plans election approximately $3,000,000 bonds to purchase San Jose Water Works, (privately owned), and extend mains or construct mains connecting with Hetch Hetchy system of City and San Francisco Co. W. Popp, city engr.

**Ont., Toronto**—Plans waterworks extensions, new pumphouse, intake, pumps, mains, hydrants, filters, etc. $13,000. R. C. Harris, city engr.

### BIDS DESIRED

**Mass., Boston**—Nov. 28 by Dept., Pub. Wks., City Hall, laying and relaying water pipes in Church St., Greaton, Russett and Theodore Rds., in West Roxburn; Duxbury Rd. in Dorchester, and Glencoe St. in Brighton, $15,000. J. A. Rourke, comr.

**N. Y., Brooklyn**—Dec. 3, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 18th, 19th and Parkville Aves., etc.

**N. Y., New York** — Dec. 1, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Berkley, Beach, Betts Ave., etc.

**Ky., Newport**—Nov. 29, by City Comrs., new filtration plant incl. 6 mgd. pump, $100,000. H. K. Flutmus, City Hall, engr. Noted July 17.

**O., Cleveland**—Nov. 29, by Comrs. Cuyahoga Co., 4,000 ft., 6 and 8 in. c.i. mains in Impvt. 67; 7,000 ft., in Impvt. 68. R. F. MacDowell, Court House, engr.

**Mich., Jackson**—Dec. 5, by F. D. King, city clk., constructing water pressure mains, steel or concrete, 16,500 ft. 48 in. precast concrete conduit with expansion joints, or 48 in. welded or lock-bar pipe, or 50 in. riveted steel pipe, 444 ft. steel or concrete trestles, 246 ft. 15 in. pipe drains, 125 ft. 24 in. pipe drains, blow-offs, valves, etc. F. D. King, city clk.

**Ill., Jonesboro**—Dec. 5, by B. Gwahler, city clk., 21,500 ft. 4- to 8-in. c.i. pipe, 42 fire hydrants, gate valves, 60,000 gal. capacity steel tank on tower, concrete surface reservoir, 30,000 or 60,000 gal. capacity pump house, 300 g.p.m. centrifugal pump and 5 hp. motor, etc. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 9.

**Ill., Oak Park**—Dec. 17, by President and Bd. Trustees, Municipal Bldg., 5 m.g. reinforced con. reservoir. Maury & Gordon, 1445 Monadnock Bldg., consult. Engrs. Adv. E. N.-R. Nov. 27.

**Ill., Springfield**—Jan. 5, by City Comn., waterworks improvements, incl. water softening plant, basins, tanks, well, etc. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.; adv. E. N.-R. Nov. 27.

**Wis., Fond du Lac** — Dec. 4, by J. Breister, supt. Water Dept., for 40 x 157 ft. addition to pumping plant. J. E. Hermen, 74 South Main St., engr. and archt.

**Calif., Compton** — See "Streets and Roads."

### CONTRACTS AWARDED

**N. Y., Brockport**—Bd. Water Comrs., improving waterworks and pumping station etc., to Lockhart & Ellery, Buffalo. Noted Oct. 23.

**N. Y., New York**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Baychester, Boller, Hunter, Leggett, Palmer and Randall Aves., etc., to Norton Eng. Co., 510 West 149th St., $38,584; transferring taps, etc., to mains in Haven, 9th, 3rd Aves., etc. to Beaver Eng. & Contg. Co., 57 Chambers St., $7,012. Noted Nov. 20.

**N. Y., New York**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arlington, Claflin, Davison, Fairfield, Longwood, Netherland Aves., etc., to Norton Eng. & Contg. Co., 510 West 149th St., $10,435. Noted Nov. 13.

**O., Barberton**—J. F. Mentzer, dir. Pub. Serv., filter plant, pumping station, sedimentation and clear water basin, low service piping, to Carmichael Constr. Co., 524 Central Savings & Trust Bldg., Akron, $160,000; furnishing pumps, heating, plumbing, filter and electrical equipment, to Pitt Constr., Co., Fulton Bldg., $75,000; furnishing pipe to J. B. Clow Co., 544 South Franklin St., Chicago, Ill., $129,372, furnishing valves to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $25,996. Engrs. est. $175,000. Noted Oct. 9.

**O., Cleveland**—Cuyahoga Co., 16,000 ft. 6 and 8 in. c.i. mains in Impvt. 66 to F. Hadded, Davis & Farley Bldg. $64,000. Noted Nov. 13.

**Mich., Clawson**—Constructing 17,200 ft. 8 in. and 26,500 ft. 6 in. c.i. mains, etc., to J. A. McDace Co., 1992 Webb Ave., Detroit, $79,883; also 717 ft. 10 in., 5,010 ft. 12 in., 740 ft. 18 in. and 805 ft. 20 in. sewers, etc., to R. D. Baker, 1631 Elmhurst Ave., Detroit, $15,570. Noted Nov. 6.

**Neb., Dunbar**—To Omaha Steel Works, 4802 Leavenworth St., Omaha, 50,000 gal. tank on tower, $4,500; to National Cast Iron Pipe Co., Kirby Bldg., Dallas, Tex., 8,064 ft. 4, 6 and 8 in. c.i. pipe and 4 tons specials, $5,653; to Terry, Cowan & Smith, 1005 Davidson Bldg., Kansas City, Mo., fifteen 4 in. hydrants, 12 gate valves and boxes, $1,000; to Mertz Constr. Co., Seward, Neb., setting valves, boxes, hydrants and pipe, $3,821; to E. C. Archibald, Council Bluff, Ia., labor, tool and set double stroke pump, one 10 hp. motor, etc., $1,950. Noted Oct. 23.

**Okla., Oklahoma City**—New inlet works for reservoir at 39th St., incl. concrete top for dike gates, control tower, 14,000 sq.yd. riprap, 7,700 cu.yd. concrete, 31,000 cu.yd. excav., to Boardman & Co., West Maple St., $167,010. Engrs. est. $220,000.

## Sewers

### PROPOSED WORK

**Mass., Beverly**—City and State Hy. Dept., Dept. Pub. Wks., State House, Boston, plan sewerage works. $25,000. W. F. Williams, Dept. Pub. Wks., Boston, comr.

**Mass., Boston**—Dept. Pub. Wks., City Hall, plans sanitary sewer works in Radner Rd., Lane Park, Alabama St., and Wood Ave., in Brighton and Hyde Park Dists. $25,500. J. A. Rourke, comr.

**Mass., Boston**—Dept. Pub. Wks., Sewer Div., City Hall, plans sewers in Louders Lane, Ruskin Rd., Ashmont, Allston, Church, Adams and Child Sts. $25,000. J. A. Rourke, comr.

**Mass., Danvers**—City and State Hy. Dept., Dept. Pub. Wks., State House, Boston, plan sewerage works. $25,000. W. F. Williams, Dept. Pub. Wks., Boston, comr.

**Mass., Peabody** — City and State Hy. Dept., State House, Boston, plan sewerage works. To exceed $25,000. W. F. Williams, Dept. Pub. Wks., Boston, comr.

**Fla., Stuart** — Election Dec. 5, $25,000 bonds sewers in various streets. F. K. Spiers, town clk.

**O., Columbus** — City having plans prepared by E. G. Bradbury, Franklin Co. Sanitary Engr., about 8,900 ft. of 8-in. vitr. pipe for branch and lateral sewers in Sewer Dist. Clinton 2. $26,113.

**Ill., Hinsdale**—Making plans 35,000 lin.ft. 18- to 48-in. sewer additions. Randolph-Perkins Co., 1st Natl. Bank Bldg., Chicago, engrs. Noted Mar. 20.

**Wis., Beloit**—Making plans 12 to 36 in. vitr. storm sewers in portions of Moore St., Roosevelt, East Grand, Wisconsin, Copeland, and Eaton Aves. G. E. Heebink, city clk.

**Ia., Tama**—Plans sewage disposal plant. $25,000. Engineer not announced. D. A. Murdough, city clk.

**Neb., Omaha**—Soon takes bids 30,000 ft. brick or monolithic sewer in Grace St. between 15th and 22nd Sts., $215,000; also extending sewer in Jones St. to 16th St. approximately $80,000. H. Beal, City Hall, engr.

**Mo., St. Louis**—Making preliminary plans repairs to existing sewer by repairing and strengthening existing walls of sewer and building up outlet into river, etc., in Lesparence St. $45,000, Fillmore St. $54,000, Trudeau St. $56,000, Biddle and O'Fallon Sts. $74,000. C. H. Fish, City Hall, comr.

**Ark., Cotton Plant**—See "Waterworks."

**Tex., Boerne**—Making preliminary plans new sewerage system, extending water mains, and probably drill new well. $60,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

**Tex., San Angelo**—Plans removing sewage disposal plant and enlarging and extending entire system. $200,000 bonds to be voted at once. Engineer not announced.

**Tex., San Saba**—Election Jan. 6, to vote $60,000 bonds sewerage system, plant and mains, etc. $60,000. Engineer not selected.

**Calif., Long Beach**—Making plans storm sewer in residential section east of Alamitos Ave. and south of Anaheim St. $1,000,000. C. F. Smith, city sewer engr.

**Calif., Pismo Beach**—Pismo Beach Sanitary Dist., received no bids Nov. 3, ocean outfall and sewage disposal plant. $30,000. Will readvertise. Black & Veatch, Fay Bldg., Los Angeles, engr. Noted Nov. 6.

**Calif., San Diego** — See "Streets and Roads."

**Ont., Toronto**—East York Twp., Municipal Yard, Sammon Ave., had plans prepared rein.-con. sewers in 2,125 ft. Sammon Ave., 722 ft. Pope Ave. and 400 ft. outfall sewer. $100,000. G. R. Jack, Municipal Yard, engr.

**B. C., Vancouver**—Election in December, $200,000 bonds new sewers in various streets. C. Brackenridge, City Hall, engr.

### BIDS DESIRED

**N. Y., Brooklyn** — Dec. 3, by N. E. Riegelmann, boro pres., Boro Hall, sewers in Schencke and 15th Aves., Lefferts, East 43rd, 64th, 73rd and East 48th Sts.

**N. J., North Plainfield**—Dec. 5, Mayor and Council of Boro North Plainfield, sanitary sewers in Green Brook Rd., Maple Ave., etc. F. A. Martin, boro clk.; adv. E. N.-R. Nov. 27.

**Maryland**—Dec. 3, by Bd. Awards, c/o City Register, City Hall, Baltimore, storm drains, Gwynns Run Trunk Drain, Sec. 2, Storm Water Contr. 78; and Sewer Dist. J-4, Storm Water Contr. 77. S. Purcell, chief engr.; adv. E. N.-R. Nov. 24.

**O., Cleveland**—Nov. 29, by Comrs. Cuyahoga Co., sewers in Impvt. 29. R. F. MacDowell, Court House, engr.

**Ill., Deerfield**—Dec. 8, by City Clerk, sewerage system. $175,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs. Adv. E. N.-R., Nov. 27.

**Ill., Lewiston**—See "Streets and Roads."

**Tex., New Braunfels**—Dec. 18, by F. G. Blumberg, mayor, sewer system and disposal plant, Contrs. 1 and 2. A. D. Nuhn, city clk.; adv. E. N.-R. Nov. 27.

**Calif., Daly City** (San Francisco P. O.) —See "Streets and Roads."

### BIDS RECEIVED

**N. Y., Brooklyn**—E. Riegelmann, boro, pres. Boro Hall, Nov. 19, sewers in Flatlands and Schenectady Aves., from Necaro Co., Inc., 97 Court St., $3,245,362. Noted Nov. 13.

**N. Y., New York**—H. Bruckner, pres. Bronx Boro. 3rd and Tremont Aves., sewers in Edison Ave. from Slach & Slach, 145 Montague St., Brooklyn, $11,422, Intervale Ave., from Bronx Sewer Constr. Co., 375 East Fordham Rd., $417,055. Noted Nov. 13.

**N. Y., New York** — See "Streets and Roads."

**O., Cleveland**—City, 3,363 ft., rein.-con. or brick, 4 to 5 ft., 6 in. sewers in Sewer Dists. 8 and 9 from D. M. Zullo, 796 The Arcade, rein.-con., $84,912; from Salen & George Bros., Erie Bldg., brick, $86,462.

**Calif., San Pablo**—San Pablo Sanitary Dist., 33,518 lin.ft. 6 and 8 in. vitr. sewer, etc., in Alvarado St., from L. L. Page, 728 Bissell Ave., Richmond, $25,676. Noted Nov. 6.

### CONTRACTS AWARDED

**N. Y., Brooklyn**—E. Riegelmann, boro. pres., Boro Hall, sewers in Wythe Pl., from D. Bonnacci, 672 Degraw St., $495,593; also removing sludge in Johnson and Morgan Aves., to J. Jennings, Belle Harbor, $43,750. Noted Nov. 20.

**Mich., Clawson**—See "Waterworks."

**Mich., Grand Rapids**—Dir. Pub. Service, City Hall, constructing Silver Creek Drain, Contr. K-1 to Vander Weele Bros., Grand Rapids, $237,693. Noted Oct. 23.

**Wis., Fontana** — A. B. Jensen, sewage treatment and disposal plant, to E. M. Scheflow, 326 West Worth St., Elgin, Ill., $25,000.

**Ia., Waterloo**—Sewerage System, incl. manholes, catch basins, excav., etc., to Seig Constr. Co., Waterloo.

**Neb., Omaha** — Constructing sewers in Dist. 801, 810 ft. 4- to 10-in. brick and concrete, 469 ft. c.i. pipe, etc., to J. Jensen, 2625 Wirt St., $13,916; Dist. 802, 650 ft. monolithic rein.-con. storm sewers, 930 ft. c.i. pipe, etc., to Keystone Pipe & Constr. Co., 13th and Jackson Sts., $3,286; Dist. 803, 170 ft. 3- to 6-in. storm sewers, 130 ft. 12 in. pipe, etc., also Dist. 893, 1,217 f.t 8- to 15-in. storm sewers, 3,780 ft. c.i. pipe, etc., to G. Carlson; 2449 Larimore St., $1,614 and $2,110 respectively; Dist. 804, 1,395 ft. storm sewers, 3,255 ft. c.i. pipe, etc., to J. C. Reed, Omaha, $3,211.

**Mo., St. Louis**—Bd. Pub. Serv., 208 City Hall, 595 ft. 54- to 84-in. brick or 2 ring segmental block sewer in Oakland Ave. Storm Outlet and 2,750 ft. 8- to 33-in. brick or 2 ring segmental block sewer in Ohio Montrose Pub. Relief Sewer, Sect. B, to Riley Contg. Co., Buder Bldg., $7,945 and $18,874 respectively. Noted Oct. 23.

**Calif., Los Angeles**—Bd. Pub. Wks., to R. A. Wattson, 4928 Melrose Hill, semi-elliptical concrete sewer in Sect. 19, Divs. A, B and C, $35,476; to Mlagenovich & Gillespie, 1029 West 36th St., semi-elliptical sewer in Sect. 17, Div. A, Type 4 $37,000, semi-elliptical brick concrete sewer in Sect. 18, Div. A, Type 1 $7,500, Div. B, Type 1 $32,000, Div. B, Type 4 $26,700.

## Bridges

### PROPOSED WORK

**Massachusetts**—City Planning Bd., Boston, plans cantilever or high level type bridge, over line of North Ferry by 1,200 ft. span and 135 ft. clearance at midstream, etc., from Boston to East Boston. $15,000,000. J. A. Rourke, Boston, comr. Dept. Pub. Wks.

**Mass., Dorchester** (Boston P. O.)—Dept. Pub. Wks., Boston, plans new bridge over New York, New Haven & Hartford R.R. at Savin Hill, here. $25,000. J. E. Carty, Bridge and Ferry Div. engr.

**O., Dayton** — Plans two bridges over Stillwater and Miami Rivers, Smith & Chamberlain, 401 Schwind Bldg., engrs., five bridges over Wolf Creek, Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. $1,800,000. Noted Nov. 13.

**Wis., La Crosse**—Made plans 3 span 165 ft. concrete arch bridge, on Copeland Ave. $93,000. C. C. Congdon, City Hall, engr. Noted Oct. 16.

**Tex., Carthage**—See "Streets and Roads."

**Tex., Pecos**—J. F. Ross, judge Reeves Co., takes bids after Nov. 26, 192 ft. steel truss and concrete girder bridge across Pecos River, on Federal Aid Project 396, between Reeves and Ward Counties. $25,530. Noted Sept. 25 under "Texas."

**Tex., San Antonio**—Takes bids after Dec. 1, rein.-con. and steel bridge, replacing present 110 ft. timber bridge across San Antonio River on Presa St. $50,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg. engrs. I. Ewig, city engr. Noted Sept. 25.

**Tex., Seymour**—See "Streets and Roads."

**Calif., Long Beach**—Plans bridge over flood control channel at foot of Bway. St. $175,000 to $200,000. Los Angeles Co. to share in cost. R. D. Van Alstine, city engr.

### BIDS DESIRED

**N. Y., Jamestown**—Dec. 15, by Bridge Comn., City Hall, constructing West Third Street Bridge. Harrington, Howard & Ash, 55 Liberty St., New York City, engrs.; adv. E. N.-R. Nov. 27.

**Pennsylvania** — Dec. 17, by Delaware River Bridge Joint Comn., 806 Widener Bldg., Phila., Contr. 20, Camden Approach for 3rd St. east of 5th St. for bridge over Delaware River, connecting Phila. and Camden, N. J.; adv. E. N.-R. Nov. 27.

**Wyoming** — Dec. 2, by State Highway Dept., Capitol Bldg., Cheyenne, 1 concrete box and 1 293 ft. steel bridge over Wind River about 4 mi. west of Shoshoni, Fremont Co., Federal Aid Project 178A, est. cost $60,000. L. E. Laird, state highway supt.

**Oklahoma**—Dec. 1, by State Hy. Dept., Oklahoma City, 120 ft. 2 span steel and concrete bridge over Walnut Creek, near Percell, McLain Co., 13,000 lb. reinforcing, 277 cu.yd. concrete, 2,600 ft., woodpiling, etc. $28,864. J. M. Page, highway engr.

### BIDS RECEIVED

**Mass., Boston**—Dept. Pub. Wks., rebuilding Dartmouth St. Bridge from C. & R. Constr. Co., 3 Tremont Row, $72,500. Noted Oct. 30.

**New Jersey**—State Hy. Comn., Trenton, Nov. 17, two 75 ft. span plate girder, concrete encased steel bridge, etc., over Pequannock River, Route 8, Morris and Passaic Counties, from Arnolt-Moore Co., 45 Clinton St., Newark, $82,236. Noted Oct. 30.

**Alabama**—State Hy. Dept., Montgomery, Leesburg Bridge, 450 ft. concrete substructure, with 1,020 ft. creosoted timber approaches over Coosa River on Gadsden Center Rd., Cherokee Co., from J. Monaghan, Pellham, Ga., $62,682. Engrs. est. $63,000. Noted Oct. 23. Bids asked later for steel superstructure.

**Illinois** — Dept. Pub. Hys. & Buildings, Div. Highways, Springfield, Nov. 12, 2 concrete bridges, three 50 ft. and other 50 ft. span on Route 23, Sect. 23-B, McHenry Co., from Lyon & Gearhart, Robinson, $23,071; one 40 ft. concrete culvert and two 9 ft. and one 60 ft. span concrete bridge on Route 24, Sect. 1-B, Christian Co., also two 30 ft. span substructures, one 16 ft. span slab bridge, and one 50 ft. span substructure on Route 43, Sect. 3-B, Mason Co. from Zimmerly Bridge Co., Paris, Ill., $13,862 and $10,972 respectively; three 45 ft span concrete girder bridge, one 70 ft. span concrete substructure, and one 70 ft. span steel superstructure on Route 39, Sects. 10-B, 11-B and 11-C, Comb. 27, De Witt annd Piatt Counties, from Cast Stone Constr. Co., 3183 South Barstow St., Eau Claire, Wis., $25,002; two 30 ft. and one 50 ft. steel superstructures on Route 43, Sect. 3-C, Mason Co., from Illinois Steel Bridge Co., Jacksonville, $6,153; one 17 ft. and one 60 ft. slab extension, and two 50 ft. concrete girders on Route 30, Sect. 10-B, Stark Co., from A. P. Munsen, 1845 4th Ave., Marion, Ia., $29,881. Noted Oct. 23, under "Streets and Roads."

**Illinois**—Dept. Pub. Wks. & Bldgs., Div. Hys., Springfield, Nov. 10, Cass Street Overhead Crossing, Route 22, Sect. 13-D, Will Co., eleven 35 ft. rein.-con. deck girder spans and two steel deck plate girder spans, 60 and 75 ft., from Powers Thompson Constr. Co., Joliet, $139,063. Noted Nov. 13.

Bridges (Continued)

**CONTRACTS AWARDED**

**Pa., New Castle**—Pennsylvania R.R. Co., Penn Sta., Pittsburgh, 65 ft. structural steel bridge with 265 ft. approach, here, to Dresser-Minton-Scobell Co., The Arcade, Cleveland, O. Engrs. est. $75,000.

**South Carolina**—Beaufort Co. (Beaufort) and Colleton Co. (Waterloo), rein.-con. work for bridge over Combahee River, State Project S-523, to Sanford & Brooks, Commerce and Water Sts., Baltimore, Md., $66,234; superstructure, to Roanoke Iron & Bridge Wks., Roanoke, Va., $24,800. Noted Oct. 9 under "Beaufort."

**Michigan** — State Hy. Dept., at office Comrs. Kent Co., Grand Rapids, State Trunk Line Bridge 411702, to C. J. Place, Grand Rapids, $11,182. Noted Oct. 30.

**Michigan** — State Hy. Dept. at office Comrs. Wayne Co., concrete girder Trunk Line Bridge S21601, to Swingle & Robinson, Wyandotte, $28,339.

**Mich., Detroit**—Wayne Co. Bd. Comrs., 1102 Real Estate Exch. Bldg., steel superstructures for Ford Rd. Bridge incl. 460,000 lb. steel, and Division Rd. Bridge South, 461,400 lb., steel to McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa., $40,947; substructure for Bridge S20308 over River Rouge, semi granity type concrete, to Greiling & Clarke, Foot of Morrell St., $48,719. Noted Oct. 30.

**Wis., Milwaukee**—F. Schumaker, secy., Park Bd., 50 x 300 ft., rein.-con. lower terrace for bridge on Mason St., to H. Danischefsky, 1484 Humboldt Ave., $47,-622. Noted Nov. 20.

**Kan., Ft. Scott**—Bourbon Co. bridges on Federal Aid Project 6-B, Buck Run Bridge, 90 ft. marsh concrete arch, and Drywood Bridge, 150 ft. steel span concrete floor, to Littrell & Sprague, Wichita, $21,091 and $23,130 respectively. Noted Oct. 23.

**Neb., Brady**—T. Lowe, Jr., clk. Lincoln Co., (North Platte), steel and concrete bridge over Platte River, near here, to General Constr. Co., Omaha, $26,740; fills, etc., to Davis Scott & Sons, North Platte, $6,828. Noted Oct. 30.

**South Dakota**—State Hy. Comn., Pierre, 72 ft. viaduct Federal Aid Project 174, Union Co., to Pierce & Dewey, Vermilion, $6,312; superstructure Missouri River Bridge at Pierre, to Lakeside Bridge & Steel Co., Milwaukee, $258,579, substructure, to Missouri Valley Bridge & Iron Co., Leavenworth, Kan., $173,430.

**Calif., Santa Rosa**—Sonoma Co. rein.-con. pile trestle on Santa Rosa-Guerneville Rd., $20,700, and rein.-con. bridge on Fulton-Healdsburg Rd., $7,314, to Tibbals-Percival-Cress, Forum Bldg., Sacramento.

## Dam

**PROPOSED WORK**

**Calif., Merced**—H. P. Sargent, secy., Merced Irrigation Dist., takes bids about Dec. 15, two 48 x 60 ft. slide gates for 265 ft. head and two 75 x 96 ft. for 290 ft. head; two 96 in. inlet, 290 ft. head needle type penstocks, and two discharge valves; two 96 in. pivot valves (alternative), two 96 in. hydraulic balanced valves (alternative), for Exchequer Dam project and power plant. R. V. Meikle, ch. engr. for dist. Noted June 19.

## Railways

**PROPOSED WORK**

**Illinois** — Benton & Northeastern R.R. Co., c/o L. O. Whitnel, First Natl. Bank Bldg., East St. Louis, plans standard gauge steam railroad from Benton to McLeansboro, also from Herrin to point near Benton.

**Texas**—W. Wells, secy.-treas., Tyler-Terrell Interurban Co., Tyler, soon takes bids interurban line from Tyler to Terrell. $3,-000,000. M. G. Mayfield, pres.

## Excavation, Drainage, Irrigation, Levees

**PROPOSED WORK**

**Calif., Palmdale** — Little Rock Midland Irrigation Dist., c/o H. H. Schisler, plans irrigating 4,500 acres, incl. blasted granite rock-fill with concrete wall storage dam, 172 ft. high and 700 ft. long on top, 225 ft. long on bottom, 30 ft. wide on top, approximately 36,900 lin.ft. wood stave pipe line, irrigation canals, etc. $40,000.

**BIDS DESIRED**

**Calif., Oakdale** — Dec. 8, by M. P. Kearney, secy., Oakdale Irrigation Dist. D. D. and pipe line, Schedule 1—Boardman Drain, near here, 1.5 mi. open ditch, 11,716 cu.yd. excav., three 24 ft. 20 in. concrete culverts with bulkheads, trench and 300 lin. ft. 16 in. concrete pipe and inlet box, 689 cu.yd. excav.; Schedule 2—Patterson Drain, near here, .075 mi. open ditch, 4,785 cu.yd. excav., 1,683 lin.ft. 12 in. concrete pipe and inlet box, 4,169 cu.yd. excav.; Schedule 3—Patterson Drain, near here, .025 mi. open ditch, 622 cu.yd. excav., two 50 ft. 12 in. concrete pipe culverts, 655 lin.ft. concrete pipe and box inlet, 198 cu.yd. excav.; Schedule 4—Crane Drain, 2.25 mi. open ditch, 3,878 cu.yd. excav., two 24 ft. 24 in. concrete pipe culverts with bulkheads; Schedule 5—Minnear Drain, near Riverbank, trench lay and backfill 96 lin.ft. 8 in. concrete pipe and 5 wells, etc. R. E. Hartley, ch. engr.

**BIDS RECEIVED**

**New York** — F. S. Greene, supt. State Dept. Pub. Wks., Albany, straightening, deepening and improving waterways on Canisteo River, Chauncey Run, Canacadea and Crosby Creeks in City of Hornell and town Hornellsville, from J. W. Holler, Inc., Fort Edward, $349,181. Engrs. est. $365,-181. Noted Oct. 23.

**Calif., Tracy** — W. Schlossman, secy., Banta-Carbona Irrigation Dist., from Merced Concrete Pipe Co., Merced, 323,000 yd. excav., at $0.13 per ft., and 460,000 ft. granite lining $0.79, from Haas & Doughty, Merchants Exchange Bldg., San Francisco Co., 460,000 ft. concrete lining $0.0725, and 4,150 ft. concrete pipe $5.55, from J. E. Baldwin, Ripon, 4,150 ft. 48 in. steel pipe $6.50. Noted Oct. 30.

**CONTRACTS AWARDED**

**Ia., Onowa** — Monona Co. 82,052 cu.yd. drainage excavation to A. Z. Hottman, Waseca, Minn., at $0.11 per cu.yd., 8,408 ft. guard rail on Primare Rd. near here, to L. Jorgenson, Garner, Ia., at $0.19 per ft. for type A and $0.39 per ft. for type C.

**Wash., Mt. Vernon**—G. A. Sewell, dist. secy., construction 8 mi. beach slope dike, Dist. 22, Skagit Co., 4,000 cu.yd. excav., to Pacific Dredging & Constr. Co., Alaska Bldg., Seattle, $540,000. Engineers est. $600,000.

## Streets and Roads

**PROPOSED WORK**

**New Jersey**—State Hy. Comn., Trenton, having plans prepared concrete paving 32 mi. Route 4, from Toms River to New Gretna, Ocean, Atlantic and Burlington Counties. $1,700,000. W. G. Sloan, ch. engr.

**Fla., Stuart** — Election Dec. 5, $50,000 bonds paving various streets. F. K. Spiers, town clk.

**Fla., Tampa**—Plans grading, widening and paving portion of Lafayette and De Leon Sts. $30,426. R. D. Martin, City Hall, engr.

**Tennessee** — State Dept. Hys. & Pub. Wks., Nashville, having surveys made improving 8 mi. Troy-Dyer Co. Line Rd., Obion Co. J. G. Creveling, highway comr.

**O., Alliance**—City plans improving Mahoning Ave. $25,000-$30,000. H. Anderson, engr.

**O., Canton**—Plans improving 2 mi. St. Elmo St. N. E., 40 ft. wide. $30,000. W. E. Sarver, City Hall, engr.

**O., Canton**—Stark Co. plans improving 2 mi. Canal Fulton Rd., 16 ft., $50,000. A Wise, engr.

**O., Salem**—City plans resurfacing with asphalt, 0.75 mi. Franklin St. 30 ft., $30,000.

**O., Salem** — Plans improving Franklin Ave. east of Lincoln Ave. $25,000.

**O., Zanesville**—City plans improving West Main St., $40,000, Greenwood Ave., $50,000-$60,000, Lexington Ave., $40,000; resurfacing Putnam Ave., $25,000. C. Spencer, Zanesville, engr.

**Indiana**—State Hy. Dept., Indianapolis, takes bids in January improving 11 mi. road from Anderson to Muncie, Madison and Delaware Counties, $120,000; 19 mi. from Anderson to McCordsville, $240,000; 16.8 mi. from Anderson to Marion, $140,000. C. Gray, hy. engr.

**Wis., Clintonville** — Plans paving 13th St., North Main and 7th Sts. J. Spearbraker, city clk.

**Wis., De Pere**—Plans paving Erie St. between Merrill St. and Ridgeway Blvd., and Wisconsin St. between George St. and Ridgeway Blvd., various types material considered. F. M. Charlesworth, Jr., City Hall, Kawkauna, engr.

**Wis., Elkhorn** — Walworth Co., voted $120,000 bonds, improving Highway 50 between Williams Bay and Lake Geneva. H. J. Peters, co. hwy. comr., engr.

**Wis., Green Bay**—Brown Co. takes bids next Spring, constructing 2 mi. Highway 29, 2 mi. Highway 57 and 1.75 mi. Highway 16. Wisconsin Highway Comn., Madison, engrs.

**Minnesota**—E. Boss, aud. Wadena Co., Wadena, and A. A. Carter, aud. Cass Co., Walker, rejected bids grading, bridging and surfacing, etc., 19 mi. Cass-Wadena Co. Judicial Rd. $30,000. E. S. Ward, Wadena, engr.

**Kan., Iola**—Allan Co. making preliminary plans grading and gravel surfacing 4 mi. Federal Aid Project 283-A, 18 ft. To exceed $25,000. L. J. Noftzger, Iola, engr.

**Kan., Lyndon**—Osage Co. plans grading and brick or concrete surfacing 0.613 mi. Federal Aid Project 264-B, 20 to 27 ft. H. Hopper, Lyndon, engr.

**Kan., Lyndon**—Osage Co. plans grading and feather edge surfacing 1.063 mi. Federal Aid Project 266-B, 20 to 93 ft. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

**Kan., Paola**—Miami Co. plans grading, etc., 8.889 mi. Federal Aid Project 289-A, 28 ft. Ko Eng. Co., Topeka, engrs.

**Neb., Omaha**—City Clerk soon takes bids curbing and paving Seward St. from 52nd St. to Happy Hollow Blvd., Dist. 2702, Spaulding St. from 42nd to 45th Sts., Dist. 2708, Sprague St. from 44th to 45th Sts. and 44th St. from Sprague to Boyd Sts., Dist. 2705, Mayberry St. from 46th to 48th Sts., Dist. 2704, 7th St. from Cedar to Dorcas Sts., Dist. 2703, asphalt, stone, vitr. brick, artificial stone, vitr. brick blocks, creosoted blocks, asphaltic concrete or macadam. $75,000. H. Beal, city engr.

**Neb., Omaha**—Takes bids in spring constructing boulevard north and west from Elmwood Park to new city park at Benson; boulevard north from Elmwood Park to tracks of Canadian & North Western Ry. thence east to Florence and connect with River Dr.; parkway through Fontenelle Blvd. to new Benson Park; South 11th St. Blvd. from Jackson to Castellar Sts.; Florence Blvd. from Chicago to Willis Sts. $100,000 to $150,000. H. Beal, City Hall, engr.

**Neb., Omaha**—Voted $250,000 bonds for street work. H. Beal, engr.

**Neb., Papillion**—Sarpy Co. soon takes bids improving grading and gravel surfacing 6 mi. Detroit-Lincoln Highway, and 8 mi. branch roads, 18 ft. R. L. Cochran, Lincoln, engr.

**Tex., Carthage**—Panola Co. soon takes bids grading and bridging 6.8 mi. State Highway 8, 26 ft., $80,000; 14.7 mi. State Highway 64, 26 ft., $70,000. Titus & Dillon, co. engrs. Noted Oct. 9 and 16.

**Tex., Jefferson** — Marion Co. making plans concrete paving 3.7 mi. State Highway 8, 18 ft. $40,000. T. B. Warden, co. engr.

**Tex., Paris**—Lamar Co. soon takes bids reshouldering and surfacing with rein.-con. 4.12 mi. Bates Sect. State Highway 39, 18 ft., $123,000; 5.23 mi. Bates Sect. State Highway 5, 18 ft. $154,200. W. M. Fooshee, co. engr.

**Tex., Seymour**—Baylor Co. soon takes bids grading and bridging 14.47 mi. State Highway 30, Bomarton Rd., 26 ft. $42,000. J. G. Rollins, Seymour, engr.

**Tex., Seymour** — Baylor Co. takes bids about Nov. 28, grading and bridging 12.72 mi. State Highway 24, Federal Aid Project 455-A. $47,000. J. G. Rollins, resident engr.

**Okla., Okemah**—Made surveys grading and paving 5 blocks South 4th St., 5,100 sq.yd. vertical fibre brick, 3,600 ft. curbing, 1,800 cu.yd. earth and 160 cu.yd. rock excav. $28,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

**Wash., Seattle**—Comrs. King Co. plan concrete paving 1.6 mi. Stuck River Rd. $40,000. T. R. Beeman, 602 37th St., engr.

**California**—State Highway Comn., Sacramento, cancelled call for bids which were to have been opened Nov. 24, due to error in advertising, grading and crushed gravel or stone surfacing 10.8 mi. highway between Halfway and Dog Creeks, Shasta Co. R. M. Morton, st. highway engr. Noted Nov. 13.

**Calif., Burbank** — Plans improving and widening to 100 ft., Alameda, Verdugo, Magnolia, Buena Vista, Lincoln and Olive Aves., Burbank, Victory and San Fernando Blvds. To exceed $25,000. J. R. Rose, engr.

**Calif., Chico** — Made plans improving Normal Ave., Chestnut, Hazel Sts., etc.,

Streets and Roads (Continued)

40 blocks 1.5 in. asphaltic concrete paving on 3.5 in. asphaltic concrete, curbs, gutters, etc. R. Witt, city engr.

**Calif., San Diego**—San Diego Co. made plans 5 in. concrete paving 5.86 mi. Mussey Grade of Julian Highway, 18 ft. J. M. Heath, San Diego, engr.

**Calif., San Francisco** — Plans paving Civic Center Parking area. $40,000. M. M. O'Shaughnessy, city engr.

**Calif., Los Angeles**—Supervs. Los Angeles Co., plan improving Rd. Impvt. Dist. 17, 94th St., 1,112 cu.yd. excav., 4,072 sq.yd. shape, 4,368 sq.ft. gutters, 4,072 sq.yd. 1.5 in. National top paving on 3.5 in. asphaltic concrete; Rd. Impvt. Dist. 264, Clara St., 3,203 cu.yd. excav., 20,465 sq.yd. shape, 20,465 sq.yd. concrete paving, corrugated iron pipe culverts, 17,892 ft. shape shoulders, etc.; Rd. Impvt. Dist. 149, Inglewood Ave., 8,508 cu.yd. excav., 28,103 sq.yd. shape, 10,311 ft. curb, 10,622 sq.ft. gutter, 49,520 sq.ft. sidewalks, 28,103 sq.yd. 2 and 3 in. Willite paving.

**Calif. Los Angeles** — Plans improving 67th St., Allandale Dist., 10th St., also approximately 10,000 lin.ft. Wilton Pl., 2nd, Bay, James, Herkimer, Wadsworth and 92nd Sts., Baylston, Primrose, Slawson and New Hampshire Aves., also various alleys. To exceed $75,000. H. W. Van Norman, city engr.

**Calif., Los Angeles**—Plans constructing 0.75 mi. roadway to West Borin extension Neptune Ave. $37,280. J. W. Ludlow, City Hall, engr.

**Calif., Newport Beach** — Plans curbs, sidewalks and concrete paving approximately 15,000 ft., Agate, Garnet, Marine Aves., et al. To exceed $25,000. P. E. Kressley, H. W. Hellman Bldg., Los Angeles, engr.

**Calif., Pomona** — Made plans oil and screenings approximately 5,000 ft. Monrovia Ave. between Halt and Monterey Aves., Boston Pl. between Alvarado and Kingslet Dr. To exceed $25,000. F. C. Frochde, engr.

**Calif., San Diego**—Made plans improving Myrtle St., 12,072 sq.ft. concrete sidewalks, 2,623 lin.ft. curbing, 12,230 sq.yd. asphaltic concrete on 4 in. concrete; Washington St. et al., 2,114 sq.ft. concrete sidewalks, 1,334 lin.ft. curbing, 10,773 sq.yd. asphaltic concrete on 2.5 in. concrete; Armada Terrace, 4,435 sq.ft. concrete sidewalks, 3,288 lin.ft. concrete curbing, 5,102 cu.yd. earth excav., 4,614 sq.yd. 5 in. concrete paving and 3,849 ft. 6 in. concrete sewer, etc., 5.86 mi. F. A. Rhodes, City Hall, engr.

**Calif., Santa Ana**—Plans 2 in. asphaltic concrete paving on 4 in. asphaltic concrete base, etc., in West Santa Clara Ave. To exceed $25,000. W. J. Knox, City Hall, engr.

**Ont., Toronto**—Plans asphalt surfacing Franklin Ave. $14,196, Gerard St. $10,847, Hoskin Ave. $11,603, Howard St. $13,908, Laxton Ave. $4,603, Manning Ave. $6,159, Nassau St. $17,263, Niagara St. $10,858, Perth Ave. $8,531, Spruce St. $11,210, grading Euston Ave. $1,771. R. C. Harris, city engr.

**B. C., Vancouver**—Election in December, $200,000 bonds hard surfacing various streets. C. Brackenridge, City Hall, engr.

### BIDS DESIRED

**Connecticut**—Dec. 3, by State Hy. Comn., Hartford, improving in towns of Greenwich, Milford, Orange and West Haven, Portland, Windham, Lyme and East Haddam, Sharon, Torrington, Stafford, East Windsor and Enfield, New Fairfield and East Hamton. J. A. MacDonald, comr.; adv. E. N.-R. Nov. 27.

**N. Y., Brooklyn**—Dec. 3, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging, etc., Brooklyn, 9th, Nostrand, Schenectady Aves., East 37th, East 48th and 80th Sts., paving East 37th, Livington and 80th Sts., Brooklyn and 9th Aves.

**Alabama**—Dec. 17, by State Hy. Dept., Montgomery, improving 12.64 mi. Greensboro-Wedgworth Rd., State Project 43, Hale Co., 14,579 acres clearing and grubbing, 86,979 cu.yd. earth and 200 cu.yd. rock excav., 3,233 sta.yd. overhaul, 31,131 lb. reinforcing in culverts and 31,420 lb. reinforcing in overhead crossing, 31,154 cu. yd. gravel surfacing, 7,464 ft. guard rail, etc. W. S. Keller, highway engr.

**Indiana**—Dec. 9, by J. D. Williams, dir. State Highway Comn., Indianapolis, (**F. A. P. means Federal Aid Project and S. A. P. means State Aid Project**), constructing 8.9 mi. S. A. P. 10, Sect. K-1, and F. A. P. 68, Sects. A and B; 8.2 mi. F. A. P. 68, Sect. B, 8.1 mi. Sect. C, 2.8 mi. Sect. E.

**Michigan**—Dec. 2, by State Hy. Dept. at office Comrs. Luce Co., Newberry, surfacing 4.257 mi. State Trunk Line Rd. 25-4, 39,994 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

**Ill., Lewiston**—Nov. 29, by City Clerk, 525 ft. 8 in. storm sewers, 402 cu.yd. excav., 6,690 ft. combined curb and gutter, 413 ft. curb and gutter, 14 storm water inlets. F. M. Connelly, 423-433 Peoples Trust and Savings Bank, Galesburg, engr.

**Kan., Hiawatha** — Dec. 17, by Clerk Brown Co. improving 5.081 mi. Federal Aid Project 265-A, 5,022 ft. hedge, 1,088 ft. guard rail 32,337 cu.yd. earth and 230 cu. yd. rock excav., 27,809 lb. reinforcing, 580 ft. 18 and 24 in. rein.-con. pipe, etc., 6.403 mi. Federal Aid Project 265-B, 10,137 ft. hedge, 2,560 ft. guard fence, 43,622 cu.yd. earth and 90 cu.yd. rock excav., 1,170 cu. yd. borrow, 6,400 cu.yd. channel change, 13,923 lb. reinforcing, 672 ft. 18 and 24 in. rein.-con. pipe, etc. E. C. L. Wagoner, 608 Kemper Bldg., Kansas City, Mo., engr. Noted Oct. 2.

**Kan., Lyndon**—Dec. 29, by Clerk Osage Co., grading and surfacing 0.613 mi. Federal Aid Project 264-B, 13,601 sq.yd. concrete or vitr. brick, 240 ft. guard rail, 5,464 ft. concrete curb and gutter, 32,025 cu.yd. excav., 9,472 lb. reinforcing, etc. R. Hopper, Lyndon, engr.; grading 3.852 mi. Federal Aid Project 264-A, 10,733 ft. hedge, 4,563 ft. guard rail, 28,702 lb. reinforcing, 35,573 cu.yd. earth and 3,375 cu.yd. rock excav., 800 cu.yd. borrow, 808 ft. 15- to 30-in. corrugated metal pipe, etc. Eiderman & Marshall, Smith Bldg., Topeka, engrs. Noted Nov. 27.

**Kan., Winfield**—Dec. 19, by Clerk Cowley Co. grading and feather edge gravel surfacing 3.742 mi. Federal Aid Project 230-A, 13,585 ft. hedge, 14,849 cu.yd. earth and 150 cu.yd. rock excav., 15,990 lb. reinforcing, 756 ft. 18 and 24 in. corrugated metal pipe, 8,250 cu.yd. gravel, 81,876 units overhaul, etc., 3.443 mi. Federal Aid Project 230-B, 5,578 ft. hedge, 4,618 ft. guard fence, 19,762 cu.yd. excav., 21,370 lb. reinforcing, 998 ft. 18 and 24 in. corrugated metal pipe, 7,680 cu.yd. gravel, 19,419 units overhaul, etc. W. S. Ruggles, Jr., co. engr. Noted Aug. 21.

**Mo., St. Louis** — Dec. 23, by Bd. Pub. Serv., 208 City Hall, paving with asphalt on concrete, concrete gutters and granite curbs 2,010 sq.yd. Tennessee St. $14,000, 4,765 sq.yd. Louisville St. $31,800, 2,550 sq.yd. Francis St. $18,920, Bancroft St. $12,150, 2,140 sq.yd. Hoffman St. $14,400; paving with warrenite on concrete, concrete gutters, granite curbs 2,790 sq.yd. Davison St. $26,600, 4,130 sq.yd. Emerson St. $30,000, 4,615 sq.yd. Thomas St. $25,800, 785 sq.yd. Varrelman St. $5,950; paving with recut granite blocks, granite curbing, etc., 2,310 sq.yd. Arsenal St. $22,500. W. W. Horner, city engr.

**Tex., Greenville**—Dec. 8, by O. P. McWhirter, judge Hunt Co., reshouldering and resurfacing 11.14 mi. Bates Sect. State Highway 1, Federal Aid Project 171, 117,680 sq.yd. concrete. $348,500. J. D. Metcalfe, res. engr.

**Tex., Huntsville**—Dec. 5, by D. K. Caldwell, engr. Walker Co., grading 7.5 mi. road from Dodge to Riverside, also 4 mi. road from International Great Northern Ry. crossing near Pine Valley School southeast along present Fourth Notch Rd. $40,000.

**Wash., Kelso** — Dec. 9, by City Comn., concrete paving, 20 blocks, South Kelso Dist.; and 21,741 sq.yd. paving, 20 blocks, L. I. D. 67, 4th St., $66,000. G. Norris, Kelso, engr.

**Calif., Compton**—M. Hecock, city clk., taking bids improving Aranbe St., 68,818 sq.ft. grading, 68,818 sq.ft. 5 in. concrete paving, 1,660 ft. 4 and 6 in. c.i. water mains. E. M. Lynch, Central Bldg., Los Angeles, engr.

**Calif., Daly City** (San Francisco P. O.) —Dec. 8, by City Trustees, improving portions of Mission and Leibig Sts., etc., 3,000 cu.yd. grading, 36,000 sq.ft. 1.5 in. asphaltic concrete surface on 4 in. concrete, 6,250 sq.ft. 5 in. concrete, 2,165 lin.ft. concrete curb 4 and 6 in. vitr. pipe sewer, etc. G. A. Kneese, city engr. Noted Nov. 13.

**Calif., Inglewood** — City Council taking bids improving Oak St., 500,286 sq.ft. grading, curbs, gutters, 79,290 sq.ft. sidewalks, 258,350 sq.ft. .50 in. macadam, 23,960 sq.ft. oiling, etc. A. W. Cory, city engr.

**Calif., Lynwood** — F. Welch, city clk., taking bids improving Lynwood Rd., etc., 56,560 sq.ft. sidewalks, 13,770 ft. curb, 24,825 sq.ft. gutters, 157,150 sq.ft. 4 in. oil macadam paving, 157,150 sq.ft. grading. E. M. Lynch, Central Bldg., Los Angeles, engr.

**Wash., Pasco**—Dec. 8, Comrs. Franklin Co., gravel resurfacing 0.6 mi. Permanent Highway 13, near here. J. W. Ketner, Pasco, engr.

### BIDS RECEIVED

**N. Y., Brooklyn**—E. Riegelmann, boro. pres. Boro Hall, from R. Lynster, 1364 Sterling Pl., grading, curbing Cortelyou Rd. $2,786, from Galco Contg. Co., 745 Dean St., East 9th St., $3,927, East 34th St. $2,037; from F. Persicano, 350 Fulton St., East 14th St. $4,411, from M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving Gelston Ave. $12,461, Kenmore Pl. $10,552; Avenue P $54,416, Quentin Rd. $8,803, 56th St., $9,793, 62nd St. $10,465; from Borough Asphalt Co., 1301 Metropolitan Ave., Montgomery St., $9,920; from Cranford Co., 52 9th St., 85th St. $7,939, Liberty Ave. $146,459. Noted Nov. 13.

**N. Y., New York**—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Ave., grading, etc., in East 211th St., from Bronx Sewer Constr. Co., 375 East Fordham Rd., $22,920. Noted Nov. 13.

**N. Y., New York**—J. Miller, pres. Manhattan Boro., Municipal Bldg., widening and sheet asphalt repaving Lexington Ave. from J. Meehan & Son, 74 Cortland St., $34,120, 5th Ave., from P. Cramer, 154 East 50th St., $5,779; sewers in West 219th St., from J. V. Timoney Constr. Co., 220 East 201st St., $3,116. Noted Nov. 13.

**Illinois**—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Nov. 12, from Kerr & Murphy Co., Bloomington, Ind., improving 11.46 mi. Route 1, Sects. 30 and 31, Saline Co., $207,975, 10.77 mi. Route 37, Sects. 1 and 2, Jefferson Co., $194,069, from G. Welch, Beloit, Wis., 2.32 mi. Route 5, Sect. 40, Winnebago Co., $53,157, from McCarthy Impvt. Co., 802 Kahl Bldg., Davenport, Ia., 36.52 mi. Route 2, Sects. 34, 35, 37, 38 and 39, Winnebago Co., $720,000, 11.5 mi. Route 22, Sect. 20, Lake Co., $252,541, 3.91 mi. Route 23, Sect. 22, McHenry Co., $82,467, 6.6 mi. Route 23, Sect. 23, McHenry Co., $150,338, from Western States Paving Co., Davenport, Ia., 9.57 mi. Route 3, Sects. 11, 13 and 14, Rock Island and White Counties, $185,000, from Cameron Joyce & Co., Keokuk, Ia., 13.87 mi. Route 3, Sects. 25 and 28, Mercer Co., $289,201, 8.49 mi. Route 13, Sects. 21 and 22, Randolph and St. Clair Counties, $175,856, grading 5.11 mi. Route 30, Sect. 10-A, Stark Co., $25,762, from C. W. Clark Co., 511 T. H. Bldg., Terre Haute, Ind., improving 4.29 mi. Route 10, Sect. 34, Vermillion Co., $95,000, from W. O'Neal & Sons Co., Faribault, Minn., 14.52 mi. Sects. 35, 36 and 37, Warren and McDonough Counties, $281,534, 11.08 mi. Sects. 40, 41 and 42, McDonough and Schuyler Counties, $255,441, from Nelson Constr. Co., Jerseyville, 4.35 mi. Sects. 51 and 52, Greene Co., $112,489, from Hamilton-Hoffman Constr. Co., Carbondale, 5.65 mi. Route 13, Sect. 12, Jackson Co., $127,395, from Madison Constr. Co., Edwardsville, 12.12 mi. Route 14, Sects. 7 and 8, Franklin and Hamilton Counties, $283,000, from W. J. Eiff, Quincy, 6.84 mi. Route 36, Sect. 10, Adams Co., $136,413, from Indiana Road Paving Co., Rochester, Ind., 22.29 mi. Route 16, Sects. 8, 9, 10 and 11, Shelby Co., $407,9[illegible], from H. Kolper & Sons, Mendota, 10.63 mi. Route 18, Sects. 16, 17 and 18, De Kalb and La Salle Counties, $233,500, from McGooken-Vander Haden, Milwaukee, Wis., 12.99 mi. Route 19, Sects. 24 and 25, and Route 22, Sect. 18, Lake and Henry Counties, $342,500, from Harrison Eng. & Constr. Co., Mutual Bldg., Kansas City, Mo., 7.37 mi. Route 23, Sect. 24, Henry Co., $178,784, from Trompeter & Sons, Peru, 5.76 mi. Route 23, Sect. 25, DeKalb Co., $120,802, from Stevens Bros., St. Paul, Minn., 6.46 mi. Route 24, Sect. 1, Christian Co., $133,488, from J. M. Robertson & Son, Trairton, Ind., 12.53 mi. Route 32, Sects. 4 and 5, Moultrie and Piatt Counties, $247,500, from Frank Reese & Co., 1710 Lind St., Quincy, 6.1 mi. Route 43-A, Sect. 1, Menard Co., $147,106, from McMahon Constr. Co., Rochester, Ind., 9.86 mi. Route 39, Sects. 10 and 11, De Witt and Piatt Counties, $190,000, from Jansen & Schaeffer, Pekin, 4.71 mi. Route 43, Sect. 3, Mason Co., $101,380; from Cast Stone Constr. Co., 3183 South Barstow St., Eau Claire, Wis., grading 1.07 mi. Route 39, Sects. 10-A and 11-A, De Witt and Piatt Counties, $13,170, from Jenner Bros., Davenport, Ia., 1.95 mi. Route 3, Sect. 16-A, Whiteside Co., $12,141. Noted Oct. 23.

**Okla., Tulsa**—Improving Dist. 602, 6,098 sq.yd. paving 3,687 ft. curb, etc., from Comstock-Smedley Co., Iowa Bldg., $25,276.

**Colorado**—State Hy. Dept., Denver, concrete paving 1.155 mi. Federal Aid Project 226-D, Weld Co., from C. O'Niell, Platteville, $38,226; 3.067 mi. Federal Aid Project 271-A, Fremont Co., from Driscoll Truck Co., Pueblo, $56,479; 1.922 mi.

Streets and Roads (Continued)

Federal Aid Project 2-R, Paving Dist. 2, Las Animas Co., from Pople Bros. Constr. Co., Trinidad, concrete base, bituminous surface, warrenite pavement, Spec. E $78,-080, vitr. brick $80,766. Noted Oct. 30.

**Calif., Eureka**—Grading and Warrenite bituminous on asphaltic concrete paving portions of A and Spring Sts., from Mercer-Fraser Co., Eureka, $21,305 and $53,553 respectively. Noted Nov. 6 and 13.

**Calif., Inglewood** — Improving Hillside Ave., 184,742 sq.ft. grading, 112,120 sq.ft. 4 in. Willite paving, 5,790 ft. curb, from G. H. Oswald, 366 East 58th St., Los Angeles, $40,375. Noted Nov. 13.

**Calif., Los Angeles** — From Thomas & Chalmers, 444 San Fernando Bldg., improving Halldale Ave., 386,700 sq.ft. grading, oil and roll, at $0.044 per sq.ft.

**Calif., San Marin** — Grading (approximately $10,000), 4 and 6 in. oil macadam paving, gutters, etc., Huntington Dr., from J. L. Haddock, 357 North Chester Ave., Pasadena, $146,395.

**Calif., Santa Cruz**—Santa Cruz Co. improving roads in Soquel Rd. Dist. (Skyline Sect.), from J. L. Conner, Santa Cruz, $26,-293. Noted Nov. 13.

**CONTRACTS AWARDED**

**South Carolina**—Beaufort Co. (Beaufort) and Colleton Co. (Waterloo) road work for bridge over Combahee River, State Project S-523, to P. M. Buckner, Walterboro, $59,-916. Noted Oct. 9 under "Bridges."

**S. C., Chesterfield**—Chesterfield Co., sand clay surfacing 5.7 mi. State Route 35, to J. L. Carroll, Columbia, $20,167. Noted Oct. 16.

**Ia., Leon**—Decatur Co., to J. H. Miller & Son, Blairsburg, improving Federal Aid Project 319-A, 40,628 cu.yd. excav., 1,388 cu.yd. type A and B baffles, 112 ft. guard rail, etc., also 49,221 cu.yd. excav., and 1,800 ft. guard rail on Federal Aid Project 122, both $0.26 per cu.yd.; to Kellerton Constr. Co., Kellerton, 18 culverts and extensions, $7,133.

**South Dakota**—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)** grading F. A. P. 174, Union Co. to W. R. Larson Constr. Co., Security Natl. Bldg., Sioux Falls, $34,060; graveling 9.6 mi. F. A. P. 172-C, Walworth Co. and 2.35 mi. F. A. P. 180-A, Walworth Co., to H. Pickus Constr. Co., 309 Mass Bldg., Sioux City, $10,015 and $3,731 respectively. Noted Nov. 6.

**Arkansas**—State Hy. Dept., Little Rock, grading bridges, etc., 12.19 mi. Federal Aid Project 183-D and G, 18 ft., Dist. 4, Lee Co., to W. G. Denison, Cushman, $63,238.

**Tex., Boston**—Bowie Co. scarifying, reshouldering, and rein.-con. surfacing 3 mi. Bates Sect. Federal Aid Project 415-A, 18 ft., to J. P. Foty, Wichita Falls, $78,792. Engrs. est. $87,230. Noted Oct. 16.

**Tex., Dallas** — Repairing and replacing pavement on 5 in. concrete base, on Elm and intersecting Sts., to Central Bitulithic Co., Praet Bldg., Dallas.

**Tex., Wichita Falls**—Wichita Co., grading, gravel surfacing and asphalt topping 7 mi. Clara-Wilbarger Rd., 16 ft. and 15 mi. Electra-K. M. A. Rd., 18 ft., to Hill, Wilson & Watson, North Texas Bldg., Dallas, $110,867 and $138,274 respectively. Noted Nov. 13.

**Okla., Norman** — Improving 7 blocks Ponco, Johnson and Porter Sts., 6,200 sq. yd. concrete, 4,200 ft. curbing and 2,100 cu.yd. excav., to Tibbets & Pleasant, Oklahoma City, $15,180. Noted Nov. 6.

**Okla., Tulsa**—To D. A. Burton, 544 South Victor St., improving 981 sq.yd. 6 in. concrete in Dist 594, $3,983; to H. L. Cannady Co., 2,170 sq.yd. paving, 1,410 ft. curb and gutter, etc., Dist. 595, $10,097, 3,233 sq.yd. paving, 2,069 ft. curb and gutter, etc. in Dist. 598, $14,522, 2,144 sq.yd. 7 in. paving in Dist. 599, $8,090, 1,819 sq.yd. paving, 1,194 ft. curb and gutter, etc. in Dist. 600, $7,550, 4,679 sq.yd. paving, 3,095 ft. curb, etc. in Dist. 607, $19,576; to Standard Paving Co., Boston & Katy R.R. tracks, 1,677 sq.yd. paving, 1,118 ft. curb, etc. in Dist. 596, $7,268, 2,482 sq.yd. paving, 1,626 ft. curb, etc. in Dist. 597, $11,918, 1,744 sq.yd. 7 in. concrete paving, 1,200 ft. curb, etc. in Dist. 601, $12,133, 8,939 sq.yd. paving, 3,854 ft. curb, etc. in Dist. 605, $40,205, 2,670 sq.yd. paving, 2,298 ft. curb, etc. in Dist. 606, $12,259; to Western Constr. Co., 814 Daniels Bldg., 462 sq.yd. paving, etc. in Dist. 603, $1,789; to S. Ward Paving Co., Tulsa, 5,481 sq.yd. paving, 3,702 ft. curb, etc. in Dist. 604, $15,569.

**California**—State Highway Comn., Sacramento, concrete paving 7.1 mi. highway between ¾ mi. north of San Bernardino Co. line and Beaumont, Riverside Co., to Basich Bros., 3788 South Vermont St., Los Angeles, $187,392. Noted Nov. 13.

**Calif., Los Angeles**—Asphaltic concrete paving Fulton Ave., to Gibbons & Reed, 905 South Olive St., $49,355, concrete paving Lomitas Dr., to C. W. Shafer, 3301 South Hill St., $33,945, Angeles Dr., to G. H. Oswald, 366 East 58th St., $72,239.

**Calif., Santa Ana**—Orange Co., asphaltic concrete paving Central Ave., to Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, approximately $25,500.

**British Columbia**—Provincial Hy. Dept., Victoria, grading 59 mi. Transprovincial Highway through Fraser Canyon from Yale to Spences Bridges, Sect. 1, to W. P. Tierney & Co., 924 Nicola St., Vancouver, $143,309, Sects. 2 and 3, to A. B. Palmer Co., Ltd., 736 Granville St., Vancouver, $572,614. Engrs. est. $1,250,000. Noted Oct. 23.

## Buildings—Industrial

**PROPOSED WORK**

**Vt., Fairhaven**—Plant—Vermont Milling Products Co., plan to rebuild plant destroyed by fire. $500,000.

**Mass., Norwood** — Shop, etc. — Bird & Sons, East Walpole, having plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 2 and 3 story and basement, 65 x 110 ft. paint shop, $150,000, 1 story, 120 x 160 ft. warehouse, $70,000, both rein.-con. and timber, 1 story boiler room, $40,000, 1 story, 80 x 200 ft. oven, $60,000, 2 story, 80 x 100 ft. finish building, $60,000, and 1 story, 120 x 135 ft. print building, $65,000, all foregoing rein.-con. and brick.

**R. I., Esmond**—Mill—The Esmond Co., Esmond, plans addition to mill. $40,000. Engineer and architect not selected.

**R. I., Olneyville** (Providence P. O.)—Mill—Crown Worsted Mills, Inc., Troy St., Providence, plans mill addition here. $40,-000. Engineer and architect not selected.

**Ga., Griffin**—Mill—Syndicate headed by W. F. Ingram, c/o J. E. Sirrine & Co., engrs., South Main St., Greenville, S. C., having plans prepared, brick and timber mill, plain foundation, here. $40,000.

**O., Cleveland**—Laundry—Modern Laundry Co., 2020 Woodland Ave., had plans prepared 1 and 2 story and basement, 70 x 133 ft., brick and steel, East 55th St. and Whittier Ave. $60,000. Private plans.

**O., Cleveland** — Factory — Ohio Overall Cleaning Co., c/o Sylvanus & Wefel, archts., 3030 Euclid Ave., having plans prepared 2 story and basement, 40 x 60 ft., brick and steel, 8008 Central Ave. $40,000.

**O., Cleveland**—Printing—Cleveland News Co., having plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 3 and 4 story and basement, 125 x 300 ft., rein.-con., brick and limestone, Superior Ave. $750,000. Noted Sept. 4.

**O., Columbus**—Factory—J. W. Coulson & Co., 95 West Spring St., J. H. Weiser, genl. mgr., making plans 4 story and basement, 34 x 150 ft. with 51 x 68 ft. ell, 150 North 5th St. $40,000.

**O., Zanesville**—Factory—S. A. Weller Pottery Co., making plans 3 story, 53 x 335 ft. addition. $165,000. Private plans.

**Mich., Detroit** — Plant — City, Municipal Courts Bldg., having preliminary plans prepared, rein.-con. and steel, Clinton Park. $350,000. Carey & Esselstyn, 602 Hoffman Bldg., engrs.

**Mich., Kalamazoo** — Plant — Booth Publishing Co., Kalamazoo, having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 2 story and part basement, 145 x 159 ft., rein.-con., brick, steel and plain foundation, East Lovell and Burdick Sts., about $200,000.

**Ill., Pittsfield**—Mill—Brun-Mill Co., making preliminary plans 2 story, 30 x 160 ft., concrete and brick. $50,000. Private plans.

**Wis., Black River Falls**—Mill—Jackson Box Co., c/o M. Konop, mgr., plans 1 story, 60 x 70 ft., brick and timber mill. Engineer and architect not selected, probably private plans.

**Wis., Bonduel** — Cannery, etc.—L. Zernicke, Bonduel, having plans prepared by J. F. Dreger, 115 Manl St., Oshkosh, 2 story, 42 x 80 ft., concrete and tile, plain foundation. $40,000.

**Kan., Wichita** — Shop and Garage — Wichita Railway & Light Co., 1113 Main St., making preliminary plans 1 story and basement, concrete and steel. $60,000. Private plans.

**Mo., Fulton**—Power Plant—Bd. Mgrs. State Eleemosynary Institutions, Jefferson City, making preliminary plans 2 story, rein.-con. and brick power plant, for State Hospital Insane and Deaf and Dumb School, here. $150,000. Engineer and architect not selected.

**Mo., Republic**—Factory—Juvenile Shoe Corp., Carthage, 2 story and basement, 43 x 180 ft., brick and rein.-con. factory, to W. E. Fogerson, Aurora. Archts. est. $40,000.

**Mo., St. Louis** — Plant — Chandeysson Electric Co., 4092 Bingham Ave., having preliminary plans prepared by Widmer Eng. Co., Laclede Gas Light Bldg., 50 x 240 ft., 50 ft. high, rein.-con. and steel plant, Bingham Ave. $125,000.

**Tex., Dallas** — Factory — Amer. Body Wks., 2800 Williams St., having plans prepared by A. A. Brown, Western Indemnity Bldg., 1 story and part basement, 120 x 225 ft. factory, East Grand Ave. $45,000.

**Okla., Bartlesville**—Shops—Vinita, Bartlesville & Western R.R. Co., Bartlesville, making preliminaary plans railway repair shops.

**Okla., Dawson**—Plant—C. S. Avery & Co., Cement Co. plans cement plant. $1,-000,000. Private plans.

**Calif., Beverly Hills**—Factory—Payne Furnace & Supply Co., 162 North Los Angeles St., Los Angeles, plans factory, 3rd St. To exceed $100,000.

**Tex., Coleman**—See "Waterworks."

**Tex., Corsicana**—Mill—Chamber of Commerce, J. P. Burnes, pres. Dallas Textile Mills, Maple Ave. Rd., Dallas, plan rein.-con., brick and steel, plant, plain foundation, here. $500,000. Engineer and architect not announced.

**Tex., San Antonio**—Factory—Mission Ice Co., 226 Rivas St., plans 1 story, 32 x 130 ft. factory addition, Woodlawn Ave. and Fredericksburg Rd. L. Harrington Co., 607 Houston Bldg., archts.,

**Calif., Emeryville** — Factory — Stewart Mfg. Co., 4071 Hollis St., having plans prepared by Miller and Warnecke, 1404 Franklin St., Oakland, 1 story, hollow tile, $40,000.

**Calif., Modesto** — Plant — Peroxide Mfg. Co., S. W. Herb, pres., 4th and 3rd Sts., San Francisco, having plans prepared steel and concrete plant. $250,000. C. E. Gilman, Oakland Bank Bldg., Oakland, engr.

**Calif., Oakland**—Factory—Barrow-Tringle Co., c/o Austin & Co. of California, archts., Santa Fe Bldg., San Francisco, having plans prepared 2 story, 80 x 100 ft., brick and steel.

**Calif., San Bernardino**—Plant—San Bernardino Sun, San Bernardino, plans approximately 2 story and basement, 150 x 150 ft., fireproof mechanical department publishing plant. $200,000 or more.

**Calif., San Francisco**—Factory etc.—Gay Eng. Co., 311 California St., plans 1 story, concrete factory and office building, 4th St. $40,000 or more.

**Calif., San Francisco** — Plant — Magner Bros., 114 9th St., plans 4 story, rein.-con., Napoleon and Jerrold Aves. $200,-000. Engineer and architect not selected.

**Calif., Santa Ana**—Factory—Calawon Steel Co., c/o J. E. Lonngren, Merritt Bldg., Los Angeles, plans steel factory. To exceed $100,000. Engineer and architect not selected.

**Ont., Iroquois Falls** — Plant — Abilibi Power & Paper Co. making plans addition to present, concrete and steel plant. $3,000,000. G. F. Hardy, 309 Bway., New York City, consult. engr.

**Ont., London**—Plant—I X L Spice Mills, 19 Marmora St., plans rebuilding plant, partially destroyed by fire. $50,000.

**Ont., Toronto** — Plant — Boake Mfg. Co., Dartnell Ave., planing and woodworking mill and lumber yard, brick, concrete and steel. $200,000. Private plans.

**Ont., Toronto** — Factory — Remington Typewriter Co. Ltd., 146 King St. W., plans rein.-con., brick and steel factory, plain foundation, $200,000. Engineer and architect not appointed.

**Man., Alberta**—Plant—E. M. Davis, 25 Madison Ave., New York City, plans plant here. $250,000. Engineer and architect not selected.

**Man., St. Boniface**—Mill—J. D. McArthur Co., 1003 McArthur Bldg., Winnipeg, plans pulp and paper mill, 200 ton capacity, here. $7,500,000.

Buildings—Industrial (Continued)

**BIDS DESIRED**

**O., Columbus**—Factory—Dec. 1, by Smith Bros. Hardware Co., 23 West Chestnut St., D. E. Mooney, pres., 6 story and basement, 140x220 ft., rein.-con. and brick, Poplar and 4th St. $275,000. Snyder, Babbitt & Mathews, 1212 Hayden Bldg., archts.

**O., Lynn** — Garage — Sprague Breed-Stevens & Newhall, Central Sq., taking bids 1 story, 70 x 140 ft., repair and service garage, rein.-con. and brick, Central Sq. $40,000. Sanborn & Weed, Item Bldg., archts.

**CONTRACTS AWARDED**

**Mass., Boston**—Factory—Scranton Lace Co., Scranton, Pa., 2 story, 62 x 175 ft., rein.-con., warping and winding building, and 1 story, 57 x 123 ft., structural steel and rein.-con. shed, to M. C. Tuttle Co., 862 Park Sq. Bldg.

**Mass., South Boston** (Boston P. O.) — Factory—M. L. Wenz, c/o H. A. Davidson, archt., 46 Cornhill St., Boston, 4 story, 60 x 155 ft., rein.-con., to W. M. Bailey, 88 Broad St., Boston.

**R. I., Pawtucket**—Mill—D. Seabury Co., archts., 12 East Ave., 3 story addition, 90 x 175 ft., mill construction, to Rowley Constr. Co., 260 Central Ave., for Darlington Textile Co., Hughes Ave. Will exceed $40,000.

**R. I., Providence**—Manufacturing Plant—A. Emerson & Co., 176 West Exchange St., altering 3 story and basement, 50 x 100 ft., addition Charles St., to F. W. Gustafson, 75 Westminster St. Archts. est. $40,000.

**Pa., Phila.**—Factory—Die Casting Co., 1 story and basement, 60 x 150 ft., brick and steel, plain foundation, 9th St., to H. E. Baton, 1713 Sansom St. $40,000.

**Pa., Phila.**—Factory—A. H. Fox Gun Co., 18th and Windrim Sts., 1 story and basement, 90 x 162 ft., timber and brick, plain foundation, 18th and Wagner Sts., to W. S. Van Afdlen, 620 Wynnewood Rd. $60,000.

**Pa., Phila.**—Factory—Philadelphia Paper Mfg. Co., 1 story and basement, 120 x 200 ft. and 22 x 50 ft., rein.-con. and brick, plain foundation, Nixon and Franklin Sts., to Hughes Foulkrod Co., Commonwealth Trust Bldg. $78,000.

**Md., Baltimore**—Factory—Parker Metal Decorating Co., E. A. Parker, pres., Howard and Ostend Sts., 1 story and basement, 42 x 135 ft., brick and plain foundation, Howard and Ostend Sts., to Clarke Constr. Co., American Bldg., $60,000. Noted Oct. 30.

**O., Cleveland** — Factory — Bourn-Fuller Co., c/o M. H. Hopkins, secy., Hanna Bldg., 4 story and basement, 70 x 170 ft., brick, steel and concrete, Scranton Rd., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $200,000. Noted Nov. 6.

**O., Cleveland**—Factory—Fairmont Tool & Forging Co., 10611 Quincy Ave., 2 story, 50 x 82 ft., brick and steel factory, to J. W. Smith, 2504 Fairmount Blvd. Archts. est. $40,000.

**O., Cleveland**—Factory—W. W. Ballantine Co., 4500 Euclid Ave., 1 and 2 story, 75 x 120 ft., and 32 x 36 ft., brick and steel. East 80th St., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $50,000.

**O., Cleveland**—Shop—Carey Machine Co., V. P. DeHart, pres., 5606 Curtiss Ave., 1 story, 90 x 120 ft., brick and steel, Cassius Ave., to Super Build Constr. Co., 1836 Euclid Ave., Cleveland. Archts. est. $50,000.

**Mich., Flint**—Garage—Peoples Coach Co., 3rd and LaBelle Aves., Highland Park (Detroit P. O.), 1 story, 130 x 160 ft., rein.-con., brick and steel, plain foundation, East Kearsley St., to Austin Co., 2201 First Natl. Bank Bldg., Detroit. Archts. est. $100,000.

**Ill., Mt. Vernon**—Foundry—Mr. Vernon Car Mfg. Co., general contract 1 story, 303 x 478 ft., brick and steel foundry for car plant, to Hughes-Faulkrod Co., 623 Oliver Bldg., Pittsburgh, Pa. Noted Oct. 16.

**Wis., Milwaukee** — Boiler House — Concordia College, 3127 State St., 2 story, 40 x 62 ft., brick and concrete. 31st and State Sts., superstructure, to H. Danischefsky, 1484 Humboldt Ave., chimney, to A. Custodis Chimney Constr. Co., 140 South Dearborn St., Chicago, Ill. Archts. est. $50,000.

**Wis., New Glarus**—Factory—Textile Lace Mfg. Co., Chicago, Ill., 1 story, 50 x 80 ft., rein.-con. and brick, plain foundation, to E. F. Bauman, Monroe. Archts. est. $40,000.

**WATER PIPE—DETROIT, MICH.**

Following are lowest three bids opened by Detroit Water Bd., Nov. 12, for furnishing and laying steel water pipe. (A) Mark R. Hanna Co., 1636 Dime Bank Bldg.; (B) Biggs Boiler Wks., Akron, O.; (C) T. A. Gillespie Co., 1612 First Natl. Bank Bldg. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 23,530 ft. 60-in. lock bar steel pipe | $29 00 | | $39 60 |
| 23,530 ft. 64-in. riveted steel pipe | | $26 00 | |
| 650 ft. 60-in. lock bar steel pipe | 18 00 | | 18 40 |
| 650 ft. 64-in. riveted steel pipe | | 18 40 | |
| 9,540 ft. 48-in. lock bar steel pipe | 19 00 | | 29 00 |
| 9,540 ft. 51-in. riveted steel pipe | | 24 00 | |
| 26 ft. 48-in. lock bar steel pipe | 15 00 | | 15 55 |
| 26 ft. 51-in. riveted steel pipe | | 13 50 | |
| 8,330 ft. 36- and 42-in. lock bar steel pipe | 19 00 | | 28 00 |
| 8,330 ft. 38- and 45-in. riveted steel pipe | | 23 00 | |
| 12,000 yd. furnishing and placing crushed stone for temporary paving | 3 00 | 2 90 | 3 00 |
| 6,000 yd. furnishing, placing and rolling cinders for temporary paving | 2 00 | 2 40 | 2 50 |
| 33,000 lb. furnishing, delivering and connecting to steel pipe the steel castings for manholes, blow-offs and other connections | 28 | 10 | 25 |
| 14 gate valves | 175 00 | 45 00 | 100 00 |
| 14 gate wells for 36- to 42-in. and 48-in. gates | 1,000 00 | 1,450 00 | 628 00 |
| 47 wells for manholes | 100 00 | 200 00 | 100 00 |
| 60 ft. culverts for 42- or 45-in. pipe under railway tracks | 50 00 | 180 00 | 75 00 |
| 135 ft. culverts for 60- and 64-in. pipe under railway tracks | 60 00 | 180 00 | 75 00 |
| 115 yd. concrete piers and pipe anchorages | 15 00 | 12 00 | 10 00 |
| 83 ft. tunnel for 48- or 51-in. steel pipe | 80 00 | 290 00 | 160 00 |
| 300 ft. tunnel for 60- or 64-in. steel pipe | 90 00 | 290 00 | 160 00 |
| 35 tons cast iron special castings | 220 00 | 66 00 | 120 00 |
| Extended totals | $1,166,545 | $1,277,331 | $1,609,449 |

**Wis., Waukesha**—Factory—Quality Aluminum Co., Lincoln Ave., 1 story, 100 x 150 ft., brick and timber addition, plain foundation, to P. F. Gierke, 816 Lincoln Ave. Noted Nov. 20.

**Minn., East Grand Forks** — Manufacturing Plant—Red River Sugar Co., H. A. Douglas, pres., 412 Oak Grove St., Minneapolis, takes bids about Jan. 1, on superstructure of 3 story plant, $200,000. Contract for 1 story, 65 x 250 ft., brick and steel warehouse, to Thorvaldson & Johnson, Grand Forks, about $35,000.

**Minn., Minneapolis**—Factory and Store—Standard Sausage Co., 1517 South 5th St., general contract, 1 story and basement, 24 x 55 x 100 ft., brick and tile, 1507 South 4th St., to M. Schumacher, 39 Dell Pl., about $42,000.

**Tex., San Marcos** — Mill — Planters & Manufacturers Cotton Co., New Braunfels, 3 story, rein.-con., brick, stone and stucco, plain foundation, San Antonio-Austin Highway and International Great Northern Ry. tracks, here., to Lockwood, Greene & Co., 27 Federal St., Boston, Mass. Archts. est. $1,000,000. Noted May 1.

**Calif., Los Angeles**—Repair Shop—Master Service Corp., 1510 West 8th St., 1 story, 75 x 276 ft., brick, Whittier St., to F. L. Froley, 416 East 8th St., approximately $45,000.

**Ont., Port Arthur**—Mill—J. & W. J. Stirret, Bay St., will build planing mill and lumber yard at Bay and Court Sts., by day labor.

## Buildings—Commercial

**PROPOSED WORK**

**Mass., Concord** — Church — Trinitarian Congregational Church Society, having plans prepared by Froham, Robb & Little, archts., 80 Boylston St., Boston, 1 and 2 story, and basement, brick and stone, Waldon and Hubbard Sts., Concord Center, $150,000. Noted Oct. 23.

**Mass., Lynn**—Apartment Hotel—Pythian Castle Building Assn., having plans prepared by M. F. Burk, 173 Milk St., Boston, 3 and 4 story and basement, 100 x 170 ft., rein.-con., brick, stone, hollow tile and steel, plain foundation, 37 Market St. $250,000.

**Mass., New Bedford**—Garage—E. Caswell, 490 Pleasant St., having plans prepared by F. T. Hammond, 490 Pleasant St., 2 story, 125 x 140 ft., rein.-con. and brick. High and North Concord Sts. $175,000.

**R. I., Woonsocket** — Church — Italian Catholic Church, c/o J. Cavedon, Verry St., plans large church. $150,000. Engineer and architect not selected.

**N. Y., Brooklyn**—Club House—Independent Order Breth Abraham, 37 East 7th St., New York City, plans club house, here. $500,000. Engineer and architect not selected.

**N. Y., New York**—Apartments—Twenty Seven West 72nd St. Corp., c/o G. F. Pelham, archts., 200 West 72nd St., having plans prepared 15 story, 100 x 205 ft., brick, steel and stone, plain foundation. $1,000,000.

**N. Y., New York**—Laboratories—Columbia University, Morningside Heights, soon takes bids 12 story and basement laboratories, on campus. $2,375,000. McKim, Mead & White, 101 Park Ave., archts. Noted Sept. 25.

**N. Y., New York**—Loft—D. Zuckerman, c/o Shampan & Shampan, archts. and engrs., 189 Montague St., Brooklyn, having plans prepared 12 story, 85 x 100 ft., brick, steel and stone, plain foundation, West 26th St. $900,000.

**N. Y., New York**—Office—Elk-Fried Co. Inc., c/o J. Martine, archt., 31 Union Sq., preparing plans 20 story, brick, stone and steel, plain foundation 21st St. and Bway.

**N. J., Atlantic City**—Theatre—Stanley Co. of America, 1916 Race St., Pittsburgh, Pa., plans 1 story, 100 x 160 ft., brick and steel, Kentucky Ave., and Bway. Hoffman & Henon, Finance Bldg., Pittsburgh, Pa., archts.

**N. J., Freehold**—School—Bd. Educ. having plans prepared by A. Merchant, 363 George St., New Brunswick, new school. $225,000. Noted Oct. 2.

**N. J., Highland Park**—School—Bd. Educ. plans new 16 room school. $325,000. A. Tindell, member school board.

**N. J., New Brunswick** — School — Bd. Educ. plans school. $280,000. E. J. McLaughlin, city clk. Engineer and architect not selected.

**Pa., Easton**—Hotel—Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., rejected bids Nov. 15, 7 story and basement, 112 x 136 ft., brick and steel, plain foundation, Northampton and Green Sts., here, for Hotel Easton Corp., Northampton Bank Bldg. Noted Nov. 13.

**Pa., Easton** — School — Roman Catholic Church, c/o M. A. Bennett, pastor, 19th St., having plans prepared by Folsom, Stanton & Graham, 10 South 18th St., Phila., 2 story, basement and mezzanine, 57 x 132 ft. and 23 x 41 ft., granite and steel, plain foundation.

**Pa., Lewistown**—Lodge—Juniata Aerie 419, Fraternal Order Eagles, plans 5 story and basement, 33 x 200 ft., brick and steel, West Market St. $150,000.

**Pa., South Williamsport** (Williamsport P. O.)—High School—School Bd., A. B. Elder, superv. principal, plans 3 story and basement, rein.-con., brick and steel. $200,000. Engineer and architect not selected.

**Pa., New Castle**—Hotel—American Hotel Corp., 25 West 45th St., New York City, plans 150 room hotel. Engineer and architect not selected.

**Pa., Phila.**—Office—J. C. Kahn, Morris Bldg., plans 15 story and basement, brick and steel, Northeast corner 10th and Arch Sts. Engineer and architect not selected.

**D. C., Wash.**—Sunday School—Metropolitan Baptist Church, 314 East Capitol St., having plans prepared by A. P. Clark, 816 14th St., N. W., addition to Sunday school. $700,000.

**D. C., Wash.**—Church and Sunday School, etc.—St. Stephens Episcopal Church, New-

Buildings—Commercial (Continued)

ton and Center Sts., N. W., having plans prepared by R. Tappan, Forrest Hills Gardens, Long Island, N. Y., church, Sunday school and parish house. $225,000.

**Va., Richmond**—Schools—Election soon to vote $1,000,000 bonds new schools and additions to old schools.

**Miss., Jackson**—Schools—Bd. Educ. takes bids about Dec. 20, Junior High School, 3 story, rein.-con., brick and stone. $250,000. C. R. Lindsley, 50 Krass Bldg., archt. Noted Oct. 23.

**La., Shreveport**—Church—E. F. Neild, archt., Merchants Bldg., making plans and soon takes bids new church, for St. Johns Catholic Congregation. $150,000.

**Tenn., Chattanooga**—Warehouses—Chattanooga Bottle & Glass Co. plans three 1 story, 50 x 200 ft. warehouses, in Alton Park.

**Tenn., Knoxville**—Y. M. C. A., Clinch and Walnut Sts., soon takes bids dormitories, gymnasium, etc. $175,000. Barber & McMurray, 425 West Clinch St., archts. Noted May 1.

**Tenn., Nashville**—College—Fisk University, 7th Ave. N., plans 4 recitation halls, 2 dormitories, gymnasium, administration hall, etc., on campus. $2,000,000. Noted Apr. 10. F. A. McKenzie, pres.

**O., Alliance**—Commercial—L. L. Lamborn, North Union Ave. had plans prepared by Albrecht, Whilhelm & Kelly, 1836 Euclid Ave., 3 story and basement, 50 x 260 ft., brick, steel and concrete, Main St. $200,000. Koch Bros., lessee.

**O., Canton**—Garage—G. Rubin, having plans prepared by Stanley & Scheibel, 301 Wick Bldg., Youngstown, 1 story, 50 x 200 ft., brick and stone, Market St. N. $150,000.

**O., Canton** — School — Stark Co. voted $200,000 bonds centralized school, in Plain Twp. C. E. Firestone, Renkert Bldg., archt.

**O., Canton**—Store and Office—L. S. and W. E. Schaeffer, having plans prepared by Carmichael - Millspaugh Co., High - Long Bldg., Columbus, 2 story and basement, 33 x 200 ft., rein.-con. and terra cotta. $185,000.

**O., Cincinnati** — School — Archdiocesan Catholic School Bd., Montgomery Pike, having plans prepared by H. W. Germann, Schwind Bldg., Dayton, 3 story and basement, rein.-con. and brick, plain foundation, Victory Parkway. $500,000.

**O., Cleveland**—Apartment—L. Fordman, 3472 East 123rd St., had plans prepared by A. W. Harris, Discount Bldg., 3 story and basement, 42 x 163 ft., brick, steel and timber, 2636 North Morland Blvd. $200,000.

**O., Cleveland**—Commercial and Apartment—H. Kaplan, 3188 East 119th St., had plans prepared by Schabel & Grimm, Erie Bldg., two 2 story and basements 58 x 113 ft., brick, and steel, East 153rd, and Kinsman Rd. $150,000.

**O., Cleveland** — Commercial and Apartment—A. P. Jones, 10405 Euclid Ave., had plans prepared by Vink & Shimkola, 10415 Euclid Ave., 3 story and basement, 60 x 115 ft., brick, East 45th St. and Perkins Ave. $150,000.

**O., Cleveland**—Commercial and Garage—P. J. Spitz Co., Swetland Bldg., having plans prepared by N. Petti, Williamson Bldg., 1 and 2 story and basement, 80 x 189 ft., brick, steel and concrete, 2708 Euclid Ave. $150,000.

**O., Cleveland**—Garage—G. W. Hale, Alcazar Hotel, Cleveland Heights, plans 2 or 3 story, brick, steel and concrete, Bolivar Rd., here. $150,000. Architect not selected.

**O., Cleveland**—Library—Cleveland Medical Library Assn., F. E. Bunts, secy., 2318 Prospect Ave., having plans prepared by Walker & Weeks, 1900 Euclid Ave., 3 story and basement, brick and steel, Euclid Ave., and Adelbert Rd. $300,000.

**O., Dayton**—Hospital—Trustees Stillwater Sanatorium, c/o Comrs. Montgomery Co., plan 2 and 3 story, brick hospital, Covington Pike, $200,000. Engineer and architect not selected.

**O., Dayton**—Office—Davies Building Co., 29 Davies Bldg., having plans prepared by Schenk & Williams, Mutual Home Bldg., 10 story, 75 x 100 ft., rein.-con. and brick, plain foundation, 1st Ave. $500,000.

**O., Galion**—School—Voted $225,000 bonds Old West School, 2 story and basement. C. C. Coyle, clk. Bd. Educ.

**O., Hartville** — School — Voted $175,000 bonds for high and grade school. Walker & Norwich, 1301 Amer. Bldg., Dayton, archt.

**O., Lakewood** (Cleveland P. O.)—Church—St. James Roman Catholic Church, M. D. Leahy, pastor, 17514 Detroit Ave., having plans prepared by E. T. P. Graham, 171 Newbury Ave., Boston, Mass., 1 story, basement and balcony, 60 x 100 ft., brick, stone and steel, Detroit and Granger Aves., $150,000.

**O., Lima**—High School—Allen Co., voted $150,000 bonds, 2 story and basement, probably brick and concrete, in Shawnee Twp. E. E. Clem, clk. Bd. Educ.

**O., Lorain**—Church and School—First Congregational Church, L. C. Grant, 433 Washington St., having plans prepared by W. H. Nicklas, archt., 1227 Prospect Ave., Cleveland, 1 story, 60 x 125 ft., brick, steel and stone, $150,000.

**O., Mansfield**—High School—Bd. Educ. takes bids about Dec. 20, 3 story and basement, 250 x 400 ft., brick, West Park Blvd. $700,000. Althouse & Jones, Market House, West 4th St., archts.

**O., Norwood**—School—Bd. Educ. having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 1 story and basement, rein.-con., brick and terra cotta, Hannaford St. $200,000.

**O., New Philadelphia** — High School — Voted $375,000 bonds for high school. Walker & Norwich, 1301 Amer. Bldg., Dayton, and C. J. Marr, New Philadelphia, archts.

**O., Portsmouth** — Theatre — Carmichael-Millspaugh, archts., High-Long Bldg., Columbus, having plans prepared 2 story and basement, 65 x 165 ft., rein.-con. and brick, $200,000. Owner's name withheld.

**O., South Charleston** — High School — Voted $170,000 bonds for high school. Walker & Norwich, 1301 Amer. Bldg., Dayton, archts.

**O., Steubenville** — High School — Voted $500,000 bonds for high school. R. McClane, clk. Bd. Educ.

**O., Steubenville**—School—Voted $250,000 bonds grade school. Engineer and architect not selected. R. McClane, clk. Bd. Educ.

**O., Toronto**—High School—Voted $275,000 bonds high school. Engineer and architect not selected. E. Thayer, pres. Bd. Educ.

**O., Youngstown** — Temple — Youngstown Odd Fellows Lodge, plans 8 story and basement, 80 x 180 ft., West Boardman St. $500,000. Address W. E. Slagle, 192 West Warren Ave., head district lodges.

**O., Zanesville**—Bank—Equitable Savings Co., plans bank. $250,000.

**Ind., Anderson**—School—School Bd. plans 2 story, rein.-con. and brick, plain foundation, 12th St., $180,000. E. R. Watkins, Farmers Trust Bldg., archt.

**Mich., Albion**—Gymnasium—Albion College, having plans prepared by J. D. Chubb, archt., 109 North Dearborn St., Chicago, Ill., 2 story and part basement, rein.-con., steel and brick, plain foundation, $175,000.

**Mich., Detroit**—Apartment—D. Rosenbloom, c/o W. Hamacher, archt., 916 Kresge Bldg., making plans and soon takes bids, 4 story and basement, 75 x 116 ft., brick and steel, plain foundation, Lincoln Ave., $150,000.

**Mich., Detroit**—Exchange—Michigan Bell Telephone Co., Cass Ave., having preliminary plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 10 story, rein.-con., brick and steel addition to present 8 story building, Cass Ave.

**Mich., Detroit**—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcolmson & Higginbotham, archts., 1217 Griswold St., 2 story and basement, rein.-con., brick and steel, plain foundation, Linwood Ave., $175,000.

**Mich., Detroit**—Warehouse—C. Kotting, archt., 2306 Dime Bank Bldg., preparing plans 6 story and basement, 170x185 ft., rein.-con. and brick, plain foundation. $200,000. Owners name withheld.

**Mich., Royal Oak** (Detroit P. O.)—School—St. Mary's Parish having plans prepared by Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., Detroit, 2 story and basement, 90 x 170 ft., concrete, brick and steel, plain foundation, about $175,000.

**Mich., Wyandotte** — Hospital — Michigan Alkali Co. having plans prepared 4 story and basement, rein.-con. and brick plain foundation. $200,000. Architect's name withheld.

**Ill., Godfrey**—College, etc.—Monticello Seminary making preliminary plans 2 and 3 story and basement, rein.-con., brick and stone buildings, incl. dormitory $150,000, memorial hall $100,000, gymnasium $50,000, library and infirmary $75,000, and miscellaneous work $40,000.

**Ill., Joliet**—Orphanage—Guardian Angel Orphanage having plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, 3 story and basement, brick and concrete, plain foundation. $200,000.

**Ill., Staunton** — Church — St. Michaels Parish Roman Cahtolic Church, c/o P. H. Masterson, pastor, having preliminary plans prepared by Westbecher & Hildebrand, Pontiac Bldg., St. Louis, Mo., 1 story and basement, 58 x 127 ft., brick and stone. $150,000.

**Ill., Sycamore** — Theatre, etc. — H. E. Fargo, Geneva, having preliminary plans prepared 2 story and basement, 100 x 160 ft., rein.-con., brick and stone. $200,000. Engineer and architect not named.

**Ill., Urbana**—Hall—University of Illinois rejected bids Nov. 12, brick and concrete, West Residence Hall, on campus. Will take new bids soon. J. M. White, Administration Bldg., engr. Noted Oct. 23.

**Wis., Eau Claire** — High School — Bd. Educ., F. Stussy, pres., 308 Madison St., plans 3 story and basement, brick and concrete, plain foundation. $650,000. $500,000 bonds voted. Engineer and architect not selected.

**Wis., Eau Claire**—Theatre—Eau Claire Theatre Co., 409½ South Barstow St., having plans prepared by E. J. Hancock, Lacock Bldg., 2 story and basement, brick, terra cotta and plain foundation. $150,000.

**Wis., Janesville** — Y. M. C. A., J. A. Steiner, secy., 402 Milwaukee St., plans 4 story, rein.-con., brick and steel, plain foundation. $350,000. Engineer and architect not selected.

**Wis., Milwaukee** — Auditorium — Stock Co., J. Butler, 472 Beverly Rd., having preliminary plans prepared by G. Zagel & Bros., 144 Oneida St., 2 story brick, plain foundation. $150,000.

**Wis., Milwaukee**—Church—Bethany Presbyterian Congregation, c/o L. Gade, pastor, 421 21st Ave., plans 2 story and basement, brick and tile, plain foundation. $150,000. Engineer and architect not selected.

**Wis., Milwaukee**—Store and Warehouse—Gordes Supply Co., 69 2nd St., plans 2 story, brick and timber, plain foundation, St. Paul Ave. Engineer and architect not selected.

**Wis., Racine** — School — Bd. Educ., A. Schafer, secy., having plans prepared by J. M. Matson, Baker Blk., 2 story and basement, brick and tile additions to two schools, plain foundation, Fratt and Knapp Sts. $150,000. Noted Oct. 9.

**Ia., Ames**—Church—Church of Christ, c/o J. J. Scott, chn. Building Com., having preliminary plans prepared by J. M. Early, Ames, 2 story and basement, concrete, brick and stone, Clark and Sixth Sts. $125,000-$150,000.

**Ia., Mason City**—Mason City Y. M. C. A., c/o C. H. McNider, chn. Finance Com., plans 4 story and basement, 120 x 160 ft., concrete, brick and stone building. $250,000.

**Neb., Lincoln** — Capitol — State Capitol Comn., R. L. Cochran, secy., Brownell Bldg., takes bids about April 1, (2nd unit) 2 story and basement, 437 ft. square, rein.-con., stone, steel, tile and marble. $7,500,000. Jarrett-Chambers, Inc., 30 East 42nd St., New York City, engrs. B. C. Goodhue, 2 West 47th St., New York City, archt.

**Mo., Jefferson City**—Office—Missouri Hy. Comn., Capitol, having preliminary plans prepared 3 story and basement, rein.-con., brick and stone. $250,000.

**Mo., Kansas City**—Natatorium—Natatorium Constr. Co., 50 East 42nd St., New York City, J. Franklin, pres. and engr., plans 300 x 424 ft. natatorium and sports arena, with 151 x 251 ft. swimming pool, 31st St. and Robert Gillham Rd., here. $1,500,000.

**Mo., St. Louis**—Church—St. Mary Magdalen Parish, c/o J. J. Thompson, 4917 Sutherland Ave., having preliminary plans prepared by H. P. Hess, 1237 North Taylor St., and W. P. McMahon, Title Guaranty

Buildings—Commercial (Continued)

Bldg., 2 story and basement, rein.-con., brick and stone Kingshighway Blvd. $300,000.

**Mo., St. Louis**—High School—Bd. Educ., 911 Locust St., takes bids about March, 3 story, 269 x 368 ft., brick, rein.-con., stone, tile and steel, Laclede St. $875,500. R. M. Milligan, comr., 911 Locust St., engr. and archt.

**Mo., St. Louis**—Memorial—Washington University, Skinker and Forsythe Blvds., having preliminary plans prepared by Jamieson & Spearal, Arcade Bldg., 3 story and tower, rein.-con. and stone. $350,000-$500,000.

**Mo., St. Louis**—Morgue—Bd. Pub. Serv., 208 City Hall, soon takes bids 1 and 2 story, 88 x 130 ft., rein.-con., brick and stone, Clark Ave., $210,900. L. R. Bowen and H. Updike, engrs., and L. R. Bowen and E. E. Christopher, archts., 301 City Hall.

**Mo., St. Louis**—School—Bd. Educ., 911 Locust St., having preliminary plans prepared by R. M. Milligan, comr., engr. and archt., 911 Locust St., 3 story, rein.-con., brick and stone, for Shenandoah School Dist. $200,000.

**Mo., St. Louis**—Theatre—J. Oppenheimer, et al., c/o Garrick Theatre, 153 Chestnut St., making preliminary plans 3 story and basement, rein.-con., brick, stone and steel. $150,000. Private plans.

**Tex., Corpus Christi**—Office and Bank—City Natl. Bank Bldg., having plans prepared by R. H. Cameron, City Natl. Bank Bldg., San Antonio, 6 story and part basement, rein.-con., brick and stone addition, plain foundation, here. $150,000.

**Ark., Fayetteville**—College Buildings—University of Arkansas, c/o J. C. Futrell, pres., making preliminary plans 2 and 3 stories, various sizes, rein.-con., brick and stone, incl. library, science hall, chemistry, etc. $1,500,000. Private plans.

**Ark., Lonoke**—Court House—Lonoke Co. having preliminary plans prepared 3 story, rein.-con., brick and stone court house. $150,000.

**Tex., Dallas**—Auditorium—Lang & Witchell, archts., Amer. Exch. Bank Bldg., takes bids about Dec. 15, auditorium Fair St., for State Fair Assn. $425,000. H. A. Olmsted, pres.

**Tex., Greenville**—Office—O. N. Beckham having plans prepared by W. R. Ragsdale, Greenville, rebuilding 5 story and basement, rein.-con., brick and stone, plain foundation, recently destroyed by fire. $160,000.

**Tex., Houston**—Apartment—San Jacinto Realty Co., 4401 Montrose Blvd., having plans prepared by J. M. Glover, 737 Bonders Mortgage Bldg., archt., and G. B. Post & Son, 1003-7 Pioneer Trust Bldg., Kansas City, Mo., associated archts., and takes bids about Dec. 1, 5 story and basement, 110 x 167 ft., rein-con., tile and stucco, Montrose Blvd. and Bissonette Ave. $500,-000. Noted Nov. 13.

**Tex., Laredo**—Office—Sames, Moore & Co., Laredo, having plans prepared by Adams & Adams, Gibbs Bldg., San Antonio, 5 story and basement, 64 x 110 ft., rein.-con., brick and stone, plain foundation. $150,000.

**Tex., Paris**—Hospital—Lamar Co., W. E. Lawrence, co. judge, having plans prepared by Flint & Broad, Melba Bldg., Dallas and Curtis & Lightfoot, associated archts., Paris, for hospital. $150,000. Noted Nov. 13.

**Tex., San Antonio**—Hotel—J. M. Nix & Co., c/o City Natl. Bank Bldg., had plans prepared 5 story, 65 x 165 ft., rein.-con., brick and stone addition, Travis and St. Marys Sts. $150,000. H. T. Phelps, Hicks Bldg., engr.

**Tex., San Antonio**—Hotel—Gunter Hotoel Co., c/o Gunter Hotel, E. Baker, vice-pres., having plans prepared by H. S. Green, Alamo Natl. Bank Bldg., 3 story, 110 x 140 ft., rein.-con. and brick addition, Houston and Marys Sts. $450,000.

**Tex., San Antonio** — Office — Promotion Stockholders of business firms on Commerce St., c/o W. Rogers, Travis Bldg., had revised preliminary plans prepared by H. S. Green, c/o Alamo Natl. Bank Bldg., 15 story and basement, brick, stone and rein.-con., Commerce and Navarro Sts. $925,000.

**Tex., San Antonio**—Store and Hotel—Kallinson Department & Hardware Store, c/o H. Kallinson, mgr., had plans prepared by H. P. Smith, Natl. Bank Commerce Bldg., 2 story and basement, 50 x 400 ft., brick, stone and rein-con., 100 Blk. South Floores St. $250,000.

**Tex., Waco**—Dormitory—Baylor University, c/o S. P. Brooks, pres., having preliminary plans prepared by B. D. Easterwood, 614 Liberty Bank Bldg., 4 story, 40 x 200 x 225 ft., brick, stone and rein.-con., 7th and Speight Sts. $350,000. Noted Oct. 9.

**Okla., Ada**—Court House—Pontotoc Co. defeated $175,000 bonds 2 story and basement, 160x220 ft., rein.-con. and brick, plain foundation, Bway. H. S. Darling, engr. Architect not selected. Noted Nov. 2.

**Okla., Guthrie** — Hospital — Methodist Church South, 19th and Warner Sts., plans 3 story hospital, Harrison St. $250,000. Engineer and architect not selected.

**Okla., Oklahoma City**—Apartment Hotel—A. C. Kreipke, Herskowitz Bldg., having preliminary plans prepared by Layton, Smith & Forsythe, Braniff Bldg., 10 story and basement, 60 x 130 ft., rein.-con., plain foundation, 13th and Shartel Sts. $700,000.

**Wash., Seattle** — Office — H. Bittman, archt., Securities Bldg., takes bids in about 60 days (1st unit) 4 story, 100 x 125 ft., rein.-con. and terra cotta, 3rd and Stewart Sts., for Washington Securities Co., Securities Bldg. $275,000. Total cost $6,000,-000. This corrects report in Nov. 13 issue.

**Calif., Berkeley** — Auditorium — Election soon $250,000 bonds memorial auditorium. J. N. Eddy, city mgr.

**Calif., Hollywood**—Theatre—Hollywood Amusement Co., c/o Starrett & Payne, archts., Western Mutual Life Bldg., Los Angeles, having preliminary plans prepared, constructing theatre, Vine St., $500,000.

**Calif., Inglewood** — School — Bd. Educ. plans grammar school. $175,000. N. F. Marsh, 211 Bway. Central Bldg., Los Angeles, archt.

**Calif., Long Beach**—School—Bd. Educ. soon takes bids 1 and 2 story, rein.-con., Woodrow Wilson High School. $550,000. Austin & Ashley, Detwiler Bldg., Los Angeles, archts.

**Calif., Los Angeles**—Garage—C. W. Irwin, 352 South Westminister St., having plans prepared by Noerenberg & Johnson, Railway Bldg., 9 story and basement, 85 x 175 ft., rein.-con., South Hope St. $450,000.

**Calif., Los Angeles**—High School—Bd. Educ. takes bids about Dec. 7, 2 story, rein.-con. and brick, 6th and Francis Sts. $600,-000. G. Lindsey, 327 Laughlin Bldg., archt.

**Calif., Los Angeles**—Law—University of Southern California, having plans prepared by J. and D. Parkinson, Title Insurance Bldg., 3 story and basement, 120 x 120 ft., brick.

**Calif., Los Angeles**—School—City having plans prepared by A. F. Rosenheim, Bway. Arcade Bldg., Los Angeles, 2 story, rein.-con. grammar school, 42nd St. $150,000.

**Calif., Los Angeles**—School—City having plans prepared by E. L. Taylor, Citizens Natl. Bank Bldg., part 1 and 2 story, 60 x 125 ft. and unit 36 x 125 ft., brick, Laguna St. $150,000.

**Calif., Los Angeles** — Store, Office and Theatre—G. A. Gill, c/o L. McConville, designer, 3203 West Washington St., having plans prepared 60 x 150 ft., rein.-con. theatre, South Main St. $150,000.

**Calif., Los Angeles** — Store and Loft — Peoples Mortgage Co., Bumiller Bldg., having preliminary plans prepared by G. M. Lindsey, 321 Laughlin Bldg., 8 story and basement, rein.-con., 5th and San Pedro Sts.

**Calif., Los Angeles**—Store and Office—M. and A. L. Gore, c/o L. A. Smith, archt., 301 South Western Ave., having plans prepared two 2 story and basement, 130 x 150 and 130 x 270 ft., rein.-con. and brick film exchanges, Vermont Ave.

**Calif., Los Angeles** — Store and Loft — Furniture Mfgrs. Assn., N. Y. Stockwell, pres., 400 South Alameda St., having plans prepared by J. M. Cooper, 321 Marsh-Strong Bldg., approximately 12 story and basement, class A, 8th and Crocker Sts. To exceed $150,000.

**Calif., Los Angeles**—Stores, Lofts—Army & Navy Store, 530 South Main St., having plans prepared by W. J. Saunders, 227 Laughlin Bldg., 7 story and basement, 85 x 130 ft., rein.-con., Los Angeles St. between 5th and 6th Sts.

**Calif., Los Angeles**—Studio and Stores—Gore Bros., c/o West Coast Theatres Co., Knickerbocker Bldg., having plans prepared by L. A. Smith, 301 South Western Ave., 3 story, 100 x 150 ft., brick, Ocean Blvd.

**Calif., Los Angeles**—Theatre—C. E. Taberman Co., having plans prepared by G. A. Landsburgh, 700 Hill St. Bldg., 6 story, 124 x 175 ft., rein.-con., steel and terra cotta, plain foundation, Hollywood Blvd. $1,-200,000.

**Calif., Los Angeles**—Theatre, Store and Office—Chotiner Theatres, Inc., 805 South Vermont St., having plans prepared by R. D. King, Van Nuys Bldg., 2 story, rein.-con., Vermont Ave., $150,000.

**Calif., Los Angeles**—Warehouse—Hollywood Fireproof Storage Co., c/o C. E. Taberman, pres., 1666 Highland Ave., takes bids about Dec. 4, 50 x 200 ft., rein.-con., plain foundation, Highland Ave. $300,000 Morgan, Walls & Clements, 1124 Van Nuys Bldg., archts.

**Calif., Oakland**—Theatre—A. C. Karaki, et al, c/o Reid Bros., archts., 105 Montgomery St., San Francisco, having revised plans prepared 2 story, Class A, 1,800 seating capacity, Grand, Walker and Lakeside Aves. $175,000 or more. Former bids rejected. Noted Oct. 30.

**Calif., Palo Alto**—Laboratory—Leland Stanford University having preliminary plans prepared by Bakewell & Brown, 251 Kearney St., San Francisco, steel and corrugated iron Experimental Laboratory.

**Calif., San Diego** — Garage — A. W. Mitchell, c/o J. and D. Parkinson, archts., Title Insurance Bldg., Los Angeles, having plans prepared 2 story and basement, 100 x 200 ft., rein.-con. addition.

**Calif., San Jose**—Bank—Bank of Italy, Powell and Eddy Sts., San Francisco, plans fireproof bank. $150,000. Engineer and architect not selected.

**Calif., Santa Barbara** — Warehouse — Montecito Van & Storage Co., 25 East Mason St., having plans prepared by E. L. Mayberry, Transportation Bldg., Los Angeles, 4 story, 50 x 140 ft., rein.-con. annex, East Mason St.

**Calif., Santa Monica** — Club — Amer. Legion, Santa Monica Post 123, having plans prepared by W. Allen, Bank of Italy Bldg., Los Angeles, 4 story and basement, 60 x 100 ft., brick club.

**Calif., Santa Paula**—School—Plans election $225,000 bonds for schools.

**Calif., Venice** — Club — Venice Athletic Club, c/o D. D. Smith, designer, 200 Parkhurst Bldg., having preliminary plans prepared 3 story, fireproof, Ocean Front. $150,000.

**B. C., Vancouver**—Hospital—Election in December, $250,000 bonds for 4 story, rein.-con. hospital. A. J. Bird, city building inspector.

**B. C., Vancouver**—Schools—Bd. School Trustees, Hamilton St., plans election in December, $315,000 bonds for 3 story, 12 rooms, on various sites. A. A. Barrs, c/o School Bd. Office, archt.

**Ont., Sandwich** — Jail — Sandwich Co. Council, W. P. Coyle, clk., County Bldg., plans stone jail, Sandwich St. $350,000.

**Ont., Timmins** — Hotel — Mascioli & Bardessono, Timmins, plans 3 story and basement, rein.-con., brick and tile, plain foundation. $150,000. Private plans.

**Ont., Toronto**—Apartment—Godson Home Bldg. Co., Ltd., 435 Parkside Dr., having plans prepared by J. Hunt Stanford & Son, 67 Yonge St., 5 story and basement, concrete, brick, steel and plain foundation, Bloor St. W., $285,000.

**Ont., Toronto**—Art Gallery—Art Gallery of Toronto, Grange Rd., plans 2 story rein.-con., brick and steel addition, plain foundation. $250,000. Engineer and architect not selected.

**Ont., Toronto**—Offices—Dept. Pub. Wks., Parliament Bldgs., having plans prepared by F. R. Heakes, Parliament Bldg., 6 story and basement, 6 units about 60 x 80 ft. rein.-con., brick and steel, plain foundation, Queens Park. $2,000,000.

**Ont., Toronto**—School—Bd. Educ. having plans prepared by C. Dyson, 155 College St., 3 story and basement, 20 to 25 rooms, rein.-con., brick and steel, plain foundation, Jane St. $250,000.

**Ont., Toronto**—Store, Office, etc.—Bowles Lunch Ltd., 7 King St., having plans prepared by N. A. Armstrong Co. Ltd., 9 King St. E., 6 story and basement, 50 x 100 ft.,

Buildings—Commercial (Continued)

concrete, brick, steel, tile and terra cotta, plain foundation, Bloor St. W., $150,000.

**Que., St. Anne de la Pocatiere**—Convent—College St. Anne, having plans prepared by P. Levesque, 115 St. John St., Quebec, 4 story, 40 x 150 ft., rein.-con. and brick convent. $150,000.

### BIDS DESIRED

**Mass., Dorchester** (Boston P. O.)—School—Dec. 5, (extended date), by School House Dept., City Hall, Boston, F. V. Thompson School, 2 story and basement, 85 x 140 ft., brick, stone and limestone, plain foundation, Maxwell and Seldon Sts. $300,000. J. F. Cullen, 333 Washington St., Boston, archt. Noted Nov. 20.

**Mass., Lynn** — Home — Lynn Eagles, P. Quirk in charge, taking bids, 4 story and basement, 60 x 120 ft., brick and stone, Union St., $160,000. P. Vaney, 25 Exch. St., Boston, archt. Noted Oct. 9.

**Mass., Lowell**—Court House—Dec. 2, by Comrs. Middlesex Co., (Cambridge), 2 story and basement, rein.-con. and brick, Hurd St., here, $200,000 for Commonwealth of Massachusetts. G. H. Huey, 6 Beacon St., engr., and C. R. Greco, 11 Beacon St., archt., both Boston. Noted Nov. 13.

**Mass., Medford** — Temple — Mt. Hermon Lodge of Masons, taking bids, 4 story and basement, 45 x 55 ft.; rein.-con. and brick, High St., $150,000. C. H. Dunham, 6 Beacon St., Boston, archt.

**Mass., Salem** — School — Dec. 3, by St. Joseph's Parish, P. H. Gremier, pastor, 3 story, 75 x 135 ft., brick and stone, Lafayette St. $175,000. J. A. Marchand, 159 Lafayette St., archt. Noted Oct. 23.

**Conn., Stamford**—Hospital—Dec. 24, by Stamford Hospital Assn., Hubbard Hill, 3 story and basement, 40 x 100 ft., brick and steel, plain foundation. $250,000. G. B. Post, 101 Park Ave., New York City, archt. Noted Nov. 6.

**Pa., Johnstown**—Public Safety—Dec. 22, by City Council, M. Z. Smith, supt. Pub. Safety Dept., 5 story and basement, 75 x 100 ft., steel and brick, Washington St. $300,000. F. A. Hersh & F. J. Schollar, Commerce Bldg., Altoona, archts.

**Md., Baltimore**—School—Dec. 3, by Bd. Awards, 3 story and basement, 54 x 115 ft., concrete, brick addition, plain foundation, Pimlico Rd. and Thorndale Ave., $500,000. H. Massart, 328 North Charles St., engr., Buckler & Fenhagen, 325 North Charles St., archts. Noted Oct. 16.

**O., Cleveland** — Commercial, Apartment and Theatre—Wolf Realty Co., J. L. Wolf, mgr., 616 Hippodrome Bldg., taking bids, 2 story and basement, 84 x 145 ft., brick, 12605 Woodland Ave., $150,000. A. F. Janowitz, 811 Prospect Ave., archt.

**Mich., Dearborn**—High School—Dec. 5, by G. D. Mason & Co., archts., 598 Griswold St., Detroit, 3 story and basement, 78 x 304 ft., rein.-con., brick, steel and plain foundation, Mason St., for Bd. Educ., $395,000.

**Mich., Muskegon**—High School—Dec. 10, by Bd. Educ., Hackley School Bldg., 3 story and part basement, rein.-con., brick and steel, plain foundation, $250,000. H. H. Turner and V. E. Thebaud, Michigan Trust Bldg., Grand Rapids, archts.

**Mich., Muskegon**—School—Dec. 10 (extended date), by Secretary Bd. Educ., 3 story and basement, rein.-con., brick, tile and stone, $600,000. V. Thebaud, and H. H. Turner, Grand Rapids, W. E. Ittner, 911 Locust St., St. Louis, Mo., archts. Noted Oct. 30.

**Ill., Naperville**—Auditorium—Dec. 11, by Northwestern College, c/o W. Umbreit, secy., 2 story and basement, brick, concrete and stone, with hall of 1,400 seating capacity. $160,000. J. C. Llewellyn Co., 38 South Dearborn St., Chicago, archts.

**Wis., Madison**—Garage—Jacobson Auto Co., 207 East Washington Ave., and E. Tough, archt., Washington Bldg., taking bids 2 story and basement, 60 x 150 ft., brick, rein.-con. and steel, plain foundation, Gorham St. $150,000. Noted Oct. 2.

**Ia., Cedar Rapids**—Hospital—Dec. 3, by Bldg. Committee St. Lukes Methodist Hospital, at office of T. R. Warriner, chn., 119 2nd Ave., 6 story, 40 x 180 ft., rein.-con., brick and stone addition. Noted Oct. 2.

**Kan., Newton**—Bank—Dec. 1, by Greenbaum, Hardy & Schumacher, archts., 216 Scarrett Bldg., Kansas City, Mo., 2 story and basement, 50 x 150 ft., rein.-con. and stone, for Railroad Building & Loan & Savings Assn. $150,000. Noted Aug. 21.

**Mo., Kansas City**—High School—Dec. 4, by C. A. Smith, archt., 800 Finance Bldg., 4 story and part basement, 150 x 290 ft., rein.-con., steel and native stone, for Bd. Educ. $1,500,000. Noted Aug. 7.

**Calif., Marysville** — Store — Coates & Traver, Rowell Bldg., archts., taking bids 7 story and basement, brick and steel, 4th St., for Hart Bros., 520 K St., Sacramento. $150,000.

**Calif., San Francisco**—School—Dec. 10, by Bd. Pub. Wks., 2 story, rein.-con., Alamo School, 23rd Ave. To exceed $350,000. J. R. Reid, Jr., 1st Natl. Bank Bldg., archt.

**Ont., Sandwich**—Jail—Dec. 4, by W. P. Coyle, county clk., County Bldg., 2 story and basement, 225 x 300 ft., stone. $300,000. N. Sheppard & Mason, Dowler Bldg., Windsor, archts.

### BIDS RECEIVED

**Mass., Boston**—Police Headquarters—7 story and basement and subbasement, 100 x 140 ft., brick and stone, Stuart, Berkley & Stanhope Sts., from J. Rugo, 80 Boylston St., $588,440. Archts. est. $700,000. Noted Nov. 6.

**Mass., Norwood**—High School—Bd. Selectmen, 2 story and basement, 58 x 227 ft., brick and stone, plain foundation, Nichols St., from McDonald & Imhoff, 164 Dudley St., Roxbury, $387,720. Architects est. $300,000. Noted Nov. 13.

**Conn., Hartford**—Headquarters—Water Bd., City Hall, 1 story and basement, 28 x 125 ft., brick, plain foundation, Homestead Ave., from Industrial Constr. Co., 721 Main St., $154,480. Noted Oct. 16.

**N. Y., Brooklyn**—School—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., constructing P. S. 207, Fillmore Ave., for Bd. Educ., 500 Park Ave., New York, general contract from C-L and S. Constr. Co., 145 Montague St., $369,400; plumbing, from W. J. Endres, Grand Central Terminal, New York, $27,722; heating, from Gillis & Gheoghegan Co., 537 West Bway., New York, $48,267. Noted Oct. 30.

**N. Y., Kings Park**—Cottages—State Hospital Comn., Albany, constructing buildings at Soldiers and Sailors Memorial Hospital Division, at Kings Park State Hospital, here, Proposals 1, 2, 3 and 4, general construction from M. Kantrowitz, Albany, (1) $2,741,000 (2) $2,714,000 (3) $2,626,000 (4) $2,218,000; heating and sanitary work from General Constr. & Repair Co., 304 Main St., Cambridge, Mass., heating, (1) $142,670 (2) $138,570 (3) $115,540, sanitary work (1) $168,540 (2) $161,890 (3) $142,570; electric work from Brackett & Colt Inc., 1400 Bway., New York City, (1) $74,285 (2) $72,285 (3) $68,000. Noted Oct. 23.

**Pa., Allentown**—School—School Bd., T. P. Wenner, secy., Administration Bldg., 2 story and basement, 100 x 770 ft. and 50 x 100 ft., brick and steel, plain foundation, addition to Roosevelt School, from Butz & Clader, Ainey Bldg., $234,055. Noted Nov. 6.

**Md., Baltimore**—Police Headquarters—Mayor and City Council, City Hall, 5 story and basemen,t 160 x 237 ft., concrete, brick and steel, plain foundation, Fallsway and Lexington Sts., from Sinclair & Grigg, Medical Arts Bldg., Phila., Pa., $998,800. Noted Nov. 6.

**Mich., Detroit**—School—C. A. Gadd, bus. mgr., Bd. Educ., 1354 Bway. Ave., 2 story and basement, 167 x 250 ft., rein.-con., brick and steel, plain foundation, Bloom Ave., from R. Hill, 408 West Fort St., $201,333; steam heating, boiler equipment, etc., from J. W. Partlan, 1255 Park Pl., $63,000. Noted Oct. 30.

**Wis., Plymouth**—Sanitorium—Sheboygan Co., c/o G. W. Wisselink, chn., Hingham, 4 story, rein.-con., brick and steel, plain foundation, from Natl. Contg. Co., Metropolitan Bank Bldg., Minneapolis, Minn., $202,280.

**Calif., Los Angeles**—Museum—Los Angeles Co., 3 story and basement, 150 x 200 ft., brick, steel and concrete, Exposition Park, from J. C. Bannister, 6331 Hollywood Blvd., $209,810. Noted Oct. 30.

**Calif., San Jose** — High School — Bd. Educ., Nov. 11, Junior High School, 2 story, rein.-con., general contract from F. T. Edmans, 143 North 8th St., $203,970. Noted Oct. 30.

### CONTRACTS AWARDED

**Mass., Boston**—Apartment Hotel—Three Hundred Seventy Commonwealth Ave. Inc., 9 story and basement, 85 x 125 ft., brick and stone, plain foundation, Massachusetts and Commonwealth Aves., to Boyle Robertson Constr. Co., Wash., D. C. Archts. est. $1,000,000.

**Mass., Boston**—Apartment—E. Wyner, 18 Tremont St., will build 5 story and basement, 49 x 90 ft., brick and stone, 6 Marlboro St., by day labor. $150,000. Noted Oct. 23.

**Mass., Dorchester** (Boston P. O.)—School—Schoolhouse Dept., City Hall, Boston, 2 story and basement, 89 x 120 ft., brick and stone, Athewold St., John Marshall Dist., here, to J. Rugo, 80 Boylston St., Boston, $179,440. Noted Nov. 13.

**Mass., Marlboro**—School—Bd. Educ., general contract 2 story and basement, 80 x 130 ft. brick and stone, Pleasant St., to T. H. Hurley, Corey Bldg., $124,875. Noted Nov. 13.

**Mass., Westboro** — High School — Bd. Educ., 3 story and basement, brick and stone, to P. G. D'Armand & Son, Westboro, $200,000. Noted Nov. 13.

**Mass., Worcester**—Administration—Y. M. C. A., c/o Frost & Chamberlain, 390 Main St., 5 story, brick and steel addition, Chatham St., to E. J. Cross, 82 Foster St. Archts. est. $200,000. Noted Sept. 18.

**Conn., Bridgeport**—Church—United Congregation Church Society, Building Comn., 1 story and basement, brick and timber, Park Ave., Church and State Sts., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $350,000. Noted Oct. 23.

**N. Y., New York**—Store—J. McCutheon & Co., 34th St. and 5th Ave., 12 story, brick, steel and stone, plain fuondation, 49th St. and 5th Ave., to Kramer Constr. Co., 2323 Crotona Ave. Noted Nov. 29.

**N. J., Pensauken** (near Camden)—Detention House—Bd. Freeholders, Camden Co., Court House, Camden, 2 story and basement, 50 x 200 ft., to H. W. Shaner & Son, Palmyra, $157,563. Noted Nov. 20.

**N. J., Rahway**—School—St. Marys Parish, general contract, 2 story school, to G. D. McCarthy & Co., 348 West 14th St., New York City, $130,225.

**Pa., Chambersburg** — Art — Penn Hall School, 3 story and basement, 107 x 159 ft., brick and steel, plain foundation, to C. E. Camp, Chambersburg. Archts. est $175,000.

**Pa., Elizabethtown**—Memorial—Masonic Home, 3 story and basement, 50 x 108 ft., granite and steel, plain foundation, to R. S. Shoemaker, 2108 Walnut St., Harrisburg. Noted Sept. 11.

**Pa., Easton**—Theatre and Stores—Witmer & Vincent, 1451 Bway., New York City, 1 and 2 story and basement, 85 x 150 ft., brick and steel, plain foundation, to Chase Constr. Co., Allentown. Noted Oct. 16.

**N. C., Winston-Salem**—Depot—Winston-Salem Terminal Co., 3 story, 110 x 120 ft., brick, steel, limestone and tile, to Northeastern Constr. Co., Commercial Bank Bldg., Charlotte, $800,000.

**Fla., Bellview Heights**—Hotel—B. Griswold Hotel Co., 5 story and basement, 350 room, brick and stone addition, to F. J. Mason, St. Petersburg. Archts. est. $400,000.

**Ala., Birmingham**—Church—First Avenue Presbyterian Church, 3 story, 75 x 150 ft., brick, 18th St. and 6th Ave., to E. Cline, 1207 North 17th St., $178,000.

**O., Cleveland**—Dancing Pavilion—The 9001 Euclid Ave. Co., c/o F. B. Conklin, 3699 Euclid Ave., 1 story and basement, 165 x 170 x 222 ft., brick, steel and concrete, 9001 Euclid Ave., to Narosny & Esswein, 476 East 112th St. Archts. est. $225,000. Noted Nov. 13.

**O., East Cleveland** (Cleveland P. O.)—Garage — Rowell Building Co., c/o W. Howell, Guardian Bldg., 1 story and part basement, 100 x 140 ft., brick and steel, 11462 Euclid Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $150,000.

**O., Warren**—High School—Bd. Educ., Harding High School, 3 story and basement, 200 x 305 ft., brick, steel and concrete, Atlantic and Elm Sts., to C. Shuirump Co., 407 Home Savings & Loan Bldg., Youngstown, $515,042. Noted Nov. 20.

**Ill., Freeport** — Hospital Addition — St. Francis Hospital, general contrac,t 4 story and basement, 50 x 120 ft., rein.-con. and brick addition, Walnut St., to Central West Constr. Co., 38 South Dearborn St., Chicago.

**Ill., Highland Park**—Theatre and Store—W. Pearl, 318 Oakwood Ave., general contract 2 story and basement, 72 x 100 ft., rein.-con., brick and stone, Central Ave., to Niels & Steenhill, 4835 Warwick Ave., Chicago. Archts. est. $150,000.

**Wis., Manitowoc** — Warehouse, etc. — Aluminum Goods Mfg. Co., G. Vits, pres., 15th and Franklin Sts., 7 story and basement, 60 x 300 ft., brick and steel, Franklin St., to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee. Archts. est. $350,000.

Buildings—Commercial (Continued)

**Wis., Milwaukee**—Apartment—Prospect, Inc., c/o A. Richards, 137 2nd St., 3 story and basement, 84 x 180 ft., brick, tile and concrete, plain foundation, Prospect Ave., to Reisinger & Co., 464 Oakland Ave. Archts. est. $300,000.

**Wis., Milwaukee**—Store and Office—M. Tullgren & Sons, archts., 425 East Water St., concrete work, for 2 story and basement, 124 x 140 ft., brick and concrete, plain foundation, Lincoln and 8th Aves., for H. Bills, 768 National Ave., to S. Czaplewski. 878 2nd Ave. Archts. est. $150,000. Noted Nov. 13.

**Minn., Minneapolis**—Hotel—Intersection Holding Co., c/o Larson & McLaren, archts., 816 2nd Ave. S., general contract 3 story and basement, 100 x 225 ft., rein.-con., brick, tile and stone, Marquette Ave., between 11th and 12th Sts., to M. Schumacher, 39 Dell Pl., about $300,000.

**Minn., St. Paul**—School—Bd. Educ., L. R. S. Ferguson, comr., City Hall, general contract 2 story and basement, rein.-con., brick, tile and stone, Cleveland and University Aves., to McManis Constr. Co., 484 Endicott Bldg., $117,669. Noted Nov. 6.

**Neb., Omaha**—High School—Bd. Educ., c/o W. T. Burke, 604 City Hall, 3 story and basement, 600 x 775 ft., rein.-con., brick and stone, 36th and Ames Ave., to P. Kiewitz & Sons, 732 Omaha Natl. Bank Bldg., Omaha, $1,000,000.

**Mo., Independence**—Schools—Bd. Educ., 2 story, 120 x 385 ft. grade school, brick and concrete, to F. Grites, 2136 Belleview St., Kansas City; general contract 2 story and basement, 60 x 102 ft., Junior high school annex, to G. H. Gassman, Arkansas City, Kan.

**Ark., Hot Springs**—Apartments—H. A. Jones, mayor, general contract 2 and 3 story, rein.-con. and brick, Park and Cedar Sts., to Russell & Co., Conway. Archts. est. $150,000.

**Ark., Little Rock**—Hotel—Newcomb Hotel Co., c/o J. N. Newcomb, Marion Hotel, 10 story, basement and roof garden, 110 x 140 ft., rein.-con., steel limestone and stucco, Main and 7th Sts., to Ault & Burden, 117 West 2nd St. Noted Jan. 17.

**Ark., Little Rock**—Office—Rector & Williams, Riegler Bldg., general contract 10 story, 110 x 110 ft., rein.-con., brick, stone, steel and terra cotta, 2nd and Spring Sts., to Herman-McCain Co., Riegler Bldg.

**Tex., Corsicana**—Office and Bank—State Natl. Bank, 5 story and basement, 65 x 80 ft., rein.-con., brick and stone, plain foundation, to Walker Constr. Co., Houston Bldg., San Antonio, $350,000. Noted Aug. 7.

**Tex., San Antonio**—Medical Arts—R. H. Cameron, archt., City Natl. Bank Bldg., 12 story and basement, rein.-con., brick, stone and terra cotta, East Houston St. and Avenue E, to J. Haynes, Moore Bldg., $900,000. Noted Sept. 25.

**Ore., Portland**—Hotel and Store—H. Smith, Portland, 8 story addition, 50 x 100 ft., rein.-con., brick, terra cotta, solid rock foundation, Sixth and Main Sts., to McHolland Bros., Abington Bldg., $200,000.

**Calif., San Francisco**—Store and Loft—Symon Bros., 1525 Market St., 3 story and basement, brick, Market St. near 10th St., to R. McLeran Co., Hearst Bldg., approximately $150,000.

**Calif., San Francisco**—School—Bd. Pub. Wks., Dudley Stone School, 2 story, rein.-con. and terra cotta, Haight St., to Anderson & Ringrose, 320 Market St., $324,000. Noted Oct. 30.

**Calif., San Jose**—Club, Lodge and Office—Knights of Columbus, San Jose, 6 story and basement, rein.-con., North 1st St., to G. E. and J. D. Carlson, 70 West San Antonio St., $169,000. Noted July 31.

**Calif., San Jose**—School—Bd. Educ., general contract, 2 story, rein.-con., Junior High School, St. Clara St., to F. T. Edmans, 143 North 8th St., $203,970. Noted Sept. 25.

**Que., Montreal**—Apartment—P. R. Du Tremblay, Drummond Apts., 13 story, 215 x 340 ft., rein.-con. and steel, Sherbrooke and Mountain Sts., to A. Norcross, Victoria St., Montreal. $3,500,000.

**Ont., Toronto**—Garage, etc.—McLaughlin Motor Car Co., 128 Church St., general contract, 3 story and basement, concrete, brick, tile, steel and plain foundation, Bay and Grenville Sts., to Anglin-Norcross Ltd., Temple Bldg. Archts. est. $200,000. Noted Nov. 13.

**Ont., Toronto**—Garage—Willys-Overland Co. Ltd., Weston Rd., 2 and 3 story, 60 x 100 ft., rein.-con., brick and steel, plain foundation, Bay and Breadalbane Sts.,

## INTERCEPTING SEWERS—ELGIN, ILL.

Following are lowest three bids opened by Sanitary Dist., Oct. 22, for intercepting sewers for Fox River Branch, Contr. No. 1. (A) John Brogan & Sons, Green Bay, Wis. (awarded contract); (B) A. Phelps & Sons, Knoxville, Ia.; (C) W. J. Newman Co., 11-23 North Curtis St., Chicago. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 2,974 ft. 36-in. clay pipe sewer | $11.48 | $12.00 | $18.40 |
| 331 ft. 36-in. clay pipe sewer | 18.68 | 25.50 | 24.00 |
| 976 ft. 36-in. clay pipe sewer | 17.98 | 22.50 | 22.00 |
| 929 ft. 33-in. clay pipe sewer | 17.48 | 20.30 | 19.70 |
| 885 ft. 24-in. clay pipe sewer | 14.48 | 16.00 | 14.80 |
| 1,668 ft. 18-in. clay pipe sewer | 13.98 | 16.30 | 10.80 |
| 900 ft. 24-in. clay pipe sewer | 16.84 | 14.90 | 13.80 |
| 305 ft. 24-in. clay pipe sewer | 15.83 | 15.50 | 13.80 |
| 188 ft. 24-in. clay pipe sewer | 14.48 | 12.50 | 12.20 |
| 85 ft. 18-in. clay pipe sewer | 13.98 | 5.80 | 7.00 |
| 500 ft. 18-in. clay pipe sewer | 7.98 | 7.10 | 3.70 |
| 120 ft. 18-in. clay pipe sewer | 9.98 | 5.20 | 5.70 |
| 12 ft. 18-in. clay pipe sewer | 13.98 | 12.30 | 9.80 |
| 1,120 ft. 15-in. clay pipe sewer | 5.98 | 4.00 | 3.70 |
| 300 ft. 12-in. clay pipe sewer | 8.88 | 10.90 | 11.00 |
| 100 ft. 24-in. C. I. pipe sewer | 25.48 | 33.00 | 48.00 |
| 395 ft. 24-in. C. I. pipe sewer | 44.48 | 27.20 | 14.20 |
| 219 ft. 24-in. C. I. pipe sewer | 30.48 | 29.40 | 30.70 |
| 75 ft. 18-in. C. I. pipe sewer | 23.48 | 25.00 | 35.00 |
| 420 ft. 18-in. C. I. pipe sewer | 42.48 | 17.00 | 23.00 |
| 224 ft. 18-in. C. I. pipe sewer | 28.48 | 18.10 | 18.60 |
| 100 ft. 10-in. C. I. pipe sewer | 21.48 | 29.00 | 25.50 |
| 325 ft. 10-in. C. I. pipe sewer | 38.48 | 16.00 | 20.80 |
| 70 ft. 10-in. C. I. pipe sewer | 21.48 | 20.50 | 14.40 |
| Intercepting Chamber "A" (lump sum) | 650.00 | 810.00 | 500.00 |
| Intercepting Chamber "B" (lump sum) | 600.00 | 654.00 | 500.00 |
| Intercepting Chamber "C" (lump sum) | 600.00 | 652.00 | 450.00 |
| Intercepting Chamber "D" (lump sum) | 650.00 | 902.00 | 700.00 |
| Intercepting Chamber "E" (lump sum) | 650.00 | 903.00 | 800.00 |
| Intercepting Chamber "F" (lump sum) | 550.00 | 499.00 | 400.00 |
| Intercepting Chamber "G" (lump sum) | 550.00 | 65 .00 | 550.00 |
| Intercepting Chamber "H" (lump sum) | 500.00 | 531.00 | 350.00 |
| Intercepting Chamber "I" (lump sum) | 550.00 | 381.00 | 300.00 |
| 52 manholes | 125.00 | 100.00 | 150.00 |
| 10 6-in. inlets | 3.00 | 10.00 | 2.00 |
| 10 10-in. inlets | 4.00 | 15.00 | 3.00 |
| 10 ft. b. m. sheeting left in place | 65.00 | 45.00 | 50.00 |
| 10 ft. b. m. plank foundations | 70.00 | 75.00 | 50.00 |
| 10 cu.yd. additional concrete, Class "A" | 18.00 | 40.00 | 20.00 |
| 10 cu.yd. additional concrete, Class "B" | 18.00 | 33.00 | 18.00 |
| 10 cu.yd. additional brickwork | 18.00 | 25.00 | 27.00 |
| 10 cu.yd. additional earth excavation, open cut | 2.50 | 4.00 | 3.60 |
| 10 cu.yd. additional earth excavation, tunnel | 3.50 | 12.00 | 5.00 |
| 10 cu.yd. rock excavation | 10.00 | 10.00 | 10.00 |
| Pumping station No. 2 (lump sum) | 18,500.00 | 35,000.00 | 26,700.00 |
| Pumping station No. 3 (lump sum) | 15,500.00 | 18,000.00 | 15,800.00 |
| Erection of equipment, pumping station No. 2 (lump sum) | 3,000.00 | 1,600.00 | 2,000.00 |
| Erection of equipment, pumping station No. 3 (lump sum) | 2,500.00 | 1,300.00 | 1,750.00 |
| 50,000 lb. reinforcing steel | .06 | .06 | .055 |
| Extended totals | $274,210 | $275,552 | $279,761 |

## SEWAGE TREATMENT PLANT—ELGIN, ILL.

Following are lowest three bids opened by Sanitary Dist., Aug. 20, for sewage treatment plant, (A) W. J. Newman Co., 11-23 North Curtis St., Chicago (awarded contract); (B) McKelvey Constr. Co., 911 Title Guaranty Bldg., St. Louis; (C) Mid-Continent onstr. Co., 6 North Michigan Ave., Chicago. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| Pumping station (lump sum) | $46,370.00 | $52,403.00 | $50,000.00 |
| Erection of pumping equipment (lump sum) | 5,129.00 | 2,135.00 | 4,500.00 |
| 24-in. C. I. force main (lump sum) | 8,745.00 | 10,259.00 | 12,500.00 |
| Oil and grit basin (lump sum) | 4,693.00 | 5,459.00 | 4,500.00 |
| 24-in. venturi meter (lump sum) | 1,931.00 | 2,165.00 | 2,600.00 |
| Erection of 24-in. venturi meter (lump sum) | 4.00 | 2,189.00 | 950.00 |
| Office and laboratory building (lump sum) | 12,832.00 | 13,942.00 | 13,500.00 |
| Primary settling tanks (gunite baffles) (lump sum) | 80,818.00 | 106,695.00 | 86,000.00 |
| Sludge drying beds and adjacent conduit (lump sum) | 13,671.00 | 21,147.00 | 16,000.00 |
| Main effluent conduit (lump sum) | 2,357.00 | 1,939.00 | 1,750.00 |
| Dosing tanks and filter distribution system (lump sum) | 40,183.00 | 31,880.00 | 36,500.00 |
| Sprinkling filters and pipe gallery (lump sum) | 120,514.00 | 91,032.00 | 120,000.00 |
| 24-in. vitrified pipe by-pass and weir chamber (lump sum) | 1,452.00 | 2,356.00 | 2,300.00 |
| Sprinkling filter effluent conduit (lump sum) | 839.00 | 1,415.00 | 1,300.00 |
| Diversion chamber, Alternate "A" (lump sum) | 8,779.00 | 9,794.00 | 10,500.00 |
| Sludge pumping building, Alternate "B" (lump sum) | 10,479.00 | 10,000.00 | 12,500.00 |
| Sludge pumps, Alternate "C" (lump sum) | | 10,000.00 | 10,700.00 |
| Secondary settling tanks (lump sum) | 21,394.00 | 32,206.00 | 20,250.00 |
| 36-in. outfall and 30-in. storm water outlet (lump sum) | 8,945.00 | 6,531.00 | 5,250.00 |
| Drainage system (lump sum) | 2,163.00 | 300.00 | 3,500.00 |
| Water supply system (lump sum) | 4,135.00 | 3,945.00 | 8,500.00 |
| Roadway and grading (lump sum) | 12,271.00 | 8,815.00 | 12,000.00 |
| 700,000 lb. reinforcing steel | .044 | .04½ | .04½ |
| 25,000 lb. reinforcing mesh | .07 | .07½ | .11 |
| 10 cu.yd. rock excavation | | 5.00 | |
| 50 M. ft. b. m. sheeting left in place | | 30.00 | |
| 10 M. ft. b. m. plank foundations | | 60.00 | |
| 20 cu.yd. additional concrete, Class "A" | 4,130.00 | 14.00 | 4,130.00 |
| 40 cu.yd. additional concrete, Class "B" | | 12.00 | |
| 20 cu.yd. additional brick work | | 25.00 | |
| 200 cu.yd. additional earth excavation (above el. 720) | | .80 | |
| 100 cu.yd. additional earth excavation (below el. 720) | | 10.00 | |
| 300 cu.yd. borrow | .75 | 1.00 | .65 |
| 2,700 cu.yd. compacting fill | .40 | 1.00 | .50 |
| Extended totals gunite baffles and low sludge pump | $435,210 | $447,452 | $454,075 |

Buildings—Commercial (Continued)

masonry and general contract to W. Hall & Sons, 8 Indian Valley Crescent, structural steel to McGregor & McIntyre, Shaw St. Archts. est. $150,000.

## Federal Government Work

### PROPOSED WORK

**Mass., South Boston** (Boston P. O.)—Sewers, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans sewerage system and extending water mains here.

**Va., Norfolk**—Seaplane Runway—Spec. 5029—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans seaplane runway at Hampton Road naval operating base here.

**Calif., San Francisco**—Sewers—U. S. Government making plans 7 sewers each 100 ft. long, 18- to 30-in. c.i. and rein.-con. pipe set on rein.-con. piles and rein.-con. timber in Old Exposition Grounds. Constructing Quartermaster Port Mason, San Francisco, engrs.

**Okla., Ft. Sill**—Boiler Houses, etc.—Constructing Quartermaster, Ft. Sill, soon takes new bids for boiler houses and heating plants No. 113, 115 and 123. Former bids rejected. Noted Sept. 25.

### BIDS DESIRED

**Pa., Pittsburgh**—Dam—Dec. 22, at U. S. Engineer Office, Pittsburgh, constructing New Dam 7, Monongahela River; adv. E. N.-R. Nov. 27.

**Md., Laurel**—Home—Dec. 5, by Dist. Bldg., Wash., D. C., constructing mess hall and dormitory in Home for Feeble Minded, here.

**Arizona**—Dec. 27, by E. S. Wheeler, dist. engr., Bureau Pub. Rds., U. S. Dept. of Agriculture, 242 West Washington St., Phoenix, improving 45 mi. Clifton-Springerville Natl. Forest Rd., Greenlee Co.

### BIDS RECEIVED

**Mass., South Boston** (Boston, P. O.)—Dredging—Spec. 5042—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging 40,000 cu.yd. entrance to Dry Dock, from E. Breyman, 172 Condon St., $0.25 per cu.yd. scow measure. Noted Nov. 13.

**Mo., St. Louis**—Earthwork—Mississippi River Comn., 1311 International Life Bldg., 695,000 cu.yd. earthwork in Levee Dist. 1, Perry Co., from McWilliams Dredging Co., McCormick Bldg., Chicago, Ill., $0.185 per cu.yd. Noted Oct. 2.

### CONTRACTS AWARDED

**Pa., Pittston**—Post Office—Treas. Dept. at office Supervising Archts., Wash., D. C., constructing post office, here, to W. L. Morrison Constr. Co., Wash., D. C., $66,700 (12 months). Noted Nov. 13.

**O., Washington**—Court House and Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., construction post office, here, to J. and E. Williams, Washington Court House, $50,184 (12 months).

**Minn., Duluth**—Barges—U. S. Engineer, War Dept., Wash., D. C., 7 steel derrick barges to Marine Iron & Shipbuilding Co., foot 11th Ave. W., $172,000.

**Wash., Seattle**—Pier—U. S. Government, Burke Bldg., Seattle, Wash., 600 ft. long, 16 ft. wide and 16 ft. high above low water, guide pier in Lake Washington ship canal, to J. A. McEachern Co., Inc., Colman Bldg., $15,623. Noted Oct. 30.

**Alaska** — Bridges — C. E. Dole, U. S. Purch. Agt., Bell St. Terminal, Seattle, Wash., 7 steel girder span bridges along Government Railroad incl. one 480 ft. steel bridge over Nenan River, 240 ft. steel viaduct at Mile No. 292, and 400 ft. steel bridge over Talkeetn Creek, to United States Steel Products Co., 4th, South and Connecticut Sts., Seattle, Wash., $246,000; steel to be fabricated by Amer. Bridge, Gary, Ind.

## Unclassified

### PROPOSED WORK

**Wharf, etc.—New Orleans, La.**—Bd. Port Comrs., 1 Canal St., soon takes bids erecting structural steel for Julia St. wharf extension $50,000, steel rolling doors $7,500, also constructing roof on Claiborne Ave. wharf $18,000.

**Gas Main Extensions — Chattanooga, Tenn.** — Chattanooga Gas Co., 809 Broad St., plans to extend gas mains to outlying districts, North Chattanooga and Alton Park. $300,000.

**Terminal—Columbus, O.**—Red Star Motor Bus Associates, 44 East Rich St., making sketches, 100 x 187½ ft., addition to motor bus terminal, 44 East Rich St. Engineer and architect not selected.

**Arena—Kansas City, Mo.**—See "Buildings—Commercial."

**Campus Development—Dallas, Tex.**—S. M. University making plans developing campus. $50,000. Myers & Noyes, Mercantile Bank Bldg., engrs. B. W. Pond, Landscape archt.

**Arena—Los Angeles, Calif.**—L. R. Lurie, 315 Montgomery St., San Francisco, plans boxing arena, here. $150,000.

**Ornamental Street Lighting System—Los Angeles, Calif.** — Made plans ornamental street lighting system, 88 pressed steel standards in Beverly Blvd.; 92 pressed steel standards in Western and Santa Barbara Aves.; 42 pressed steel standards in Western Ave. between Pico and Washington Sts.; 15 concrete standards in Windsor Blvd.; 41 concrete standards in McCadden Pl., etc., 26 concrete standards in Homewood and Keniston Aves.; 124 concrete standards in 16th and 3rd Sts. To exceed $100,000.

**Wharf and Dock—Oakland, Calif.**—E. B. Field & Co., 301 13th St., plans rebuilding wharf and dock foot of Webster St., recently destroyed by fire. $150,000.

**Arena—Oakland, Calif.**—L. R. Lurie, 316 Montgomery St., San Francisco, plans fireproof boxing arena, here. $250,000.

**Arena — San Francisco, Calif.** — L. R. Lurie, 315 Montgomery St., plans fireproof boxing arena. $150,000.

**Amusement Park—Santa Monica, Calif.** —Santa Monica Expositions, Inc., E. W. McConnell, 640 South Oxford Ave., Los Angeles, interested, making plans amusement park. To exceed $750,000.

### BIDS DESIRED

**Tower—Cambridge, Mass.**—Lever Bros., Co., 143 Bway., taking bids, 20 x 40 ft. tower, 100 ft. high, steel and corrugated iron addition to factory, $25,000. C. T. Main, 200 Devonshire St., Boston. engr.

**Steam Heating Apparatus — Brooklyn, N. Y.**—Dec. 1, by Dept. Plants & Structures, Municipal Bldg., New York, steam heating apparatus in housing station on Kent Ave. and South 5th St., here.

**Steam Heating Apparatus — New York, N. Y.**—Dec. 1, by Dept. Plants & Structures, Municipal Bldg., steam heating apparatus in housing station at Delancey, Lewis and Georck Sts., here.

**Waterproofing Tunnel—Trenton, N. J.**—Dec. 2, by Bd. Freeholders Mercer Co., waterproofing Delaware and Raritan Canal tunnel at Cadwalader Park. $20,000. H. F. Harris, Court House, engr. Noted Oct. 23.

**Pier, etc.—San Francisco, Calif.**—Dec. 4, by State Harbor Comn., Ferry Bldg., creosoted and concrete pile pier and bulkhead with 400 x 600 ft., concrete deck, Pier No. 50, $1,000,000; also 2, ultimately 6 story, rein.-con. warehouse, terminal, etc., at China Basin, $500,000. F. G. White, ch. engr. Noted Mar. 20.

### BIDS RECEIVED

**Heating and Plumbing—Brooklyn, N. Y.** —See "Buildings Commercial."

**Retaining Wall — New York** — Comrs. Docks, Pier A, North River, New York City, retaining wall between Beach 116th St. and Beach 124th St. along Beach Channel Dr., Jamaica Bay, Queens, from A. M. Hazell Inc., 26 Cortland St., New York City, $49,781.

**Pier—San Diego, Calif.**—W. H. Cameron, city purch. agt., Municipal Pier 2, from C. H. Mull, St. Regis St., Long Beach, 930 lin. ft. steel frame and galvanized iron shed, complete, except for steel rolling doors $118,869, 30 lin.ft. concrete bulkhead building, complete, except for steel rolling doors $1,096, steel rolling doors complete for entire shed and bulkhead building $15,300.

### CONTRACTS AWARDED

**Playground—Methuen, Mass.**—Bd. of Selectmen will build a public playground, Park St., by day labor. $25,000.

**Foundation—Faribault, Minn.**—St. Marys Hall, wrecking ruins of old building, (burned) and constructing foundation for 2 story and basement, rein.-con., brick, tile and stone school, to H. Garvey & Son, Faribault. Noted Sept. 4 under "Buildings — Commercial."

**Amusement Park—Victoria, B. C.**—Canadian Pacific Ry., Windsor St., Montreal, Que., 1 story, 423x440 ft., reinforcon. and steel, known as Crystal Gardens, Douglas and Belleville Sts., to Lunn Bros., Saywood Bldg., $300,000.

## Material and Equipment

### PROPOSED WORK

**Road Machinery—Antigo, Wis.**—Langlade Co., C. Olsen, hy. comr., plans to purchase road machinery. $10,000 appropriated.

**Road Machinery—Jefferson, Wis.**—R. D. Royce, hy. comr. Jefferson Co., plans to purchase road machinery—grader, scraper and tractor. $17,500 appropriated.

**Pipe—Dallas, Tex.**—M. G. James, city secy., soon takes bids 30 tons 36 in. c.i. pipe, A. W. Wass Spec. Class C; 6 tons 36 in. Class D, c.i. pipe, all 24 ft. lengths; bidders to state earliest delivery. E. A. Kingsley, city engr.

**Road Building Machinery — Livermore, Calif.**—Plan to purchase road building machinery, scarifier, grader and roller.

**Pipe—Paso Robles, Calif.**—I. Welborn, city clk., plans to purchase 7,600 ft. 4 and 1,600 ft. 6 in. class B pipe.

**Structural Steel—San Francisco, Calif.**—C. Werner, archt., Santa Fe Bldg., soon takes bids 1,100 tons structural steel for 10 story and basement, The Embarcadero Club, for Y. M. C. A., Golden Gate Ave. and Leavenworth St. Noted July 31 under "Buildings."

### BIDS DESIRED

**Crusher, etc.—Swampscott, Mass.**—M. McDonough Co., in market for 24 x 36 Farrell Crusher, 6 x 20 tailings crusher and 3 yd. bucket for type O, Steam shovel.

**Roller—Trenton, N. J.**—Dec. 2, by Freeholders Mercer Co., 10 ton Huber gasoline roller. $5,800. H. F. Harris, Court House, engr.

**Snow Sweepers—Detroit, Mich.**—Dept. Street Railways, 111 Administration Bldg., St. Jean and Shoemaker Aves., taking bids, 14 electrically driven snow sweepers. F. Meyer, Purch. Agt.

**Tractor — Lake Geneva, Wis.** — F. A. Briegel, city clk., taking bids several ton tractor.

**Snow Plow—Wausau, Wis.**—B. C. Gowen, city engr., taking bids 1 snow plow.

**Street Grader—Clinton, Ia.**—Dec. 2, by F. W. Leedham, city clk., new street grader.

**Cement—Tracy, Calif.**—Dec. 10, by W. Schlossman, secy., Banta-Carbona Irrigation Dist., 5,000 bbls. or more portland cement. W. D. Harrington, dist. engr. Noted Nov. 13.

**Road Roller, etc.—Toronto, Ont.**—Jan. 20, by W. W. Hiltz, mayor, one steam driven road roller, one steam driven air compressor, one 3 m.g. Imperial centrifugal sludge pump direct connected to electric mtoor. R. C. Harris, City Hall, engr.

### CONTRACTS AWARDED

**Rails—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., 261 tons rolled manganese rails for Rapid Transit R.R., to Manganese Steel Rail Co., 30 Church St., $44,096. Noted Nov. 20.

**Slurry Tanks—San Antonio, Tex.**—San Antonio Portland Cement Co., Cementville, 10 concrete slurry tanks at plant, 20 ft. diameter, 40 ft. high, to R. C. Stone Eng. Co., Merchants Exch., St. Louis, Mo., $83,916. Noted Oct. 23.

**Motors, Pumps, etc.—Helm, Calif.**—R. M. Bostwick, secy. Stinson Irrigation Dist., 422 Mattei Bldg., Fresno, drilling 2 wells cased with 14 in. double No. 12 gauge stove pipe casing, 400 to 1,000 ft. deep, to Bramlette Drilling Co., Fresno, 25 concrete turn out boxes, to Adell-Cartright Co., Hanford, 2 vertical shaft induction motors, 60 cycles, 1,200 r.p.m., 3 phase, to U. S. Electric Mfg. Co., 200 East Slauson St., Los Angeles; furnishing materials except cement and constructing 2 pump houses, derricks, etc., to E. P. Smith, Helm; 1 to 2 carloads cement, to R. O. Deacon, Inc., Fresno; 2 to 4 carloads gravel and sand, to Service Rock Co., Fresno; 500 ft. wire mesh and 2,000 ft. bars, to Kyle & Co., Fresno; 300 ft. 18- to 30-in. cement pipe, to Irrigation & Eng. Co., Fresno.

**Cement—Merced, Calif.**—Merced Irrigation Dist., 350,000 bbl. or more Portland Cement, to Pacific Portland Cement Co., Pacific Bldg., San Francisco, $3.32 per bbl. Noted Nov. 20.